

## Product Data Sheets

**C.27/4 Series**

**C.27/6 Series**

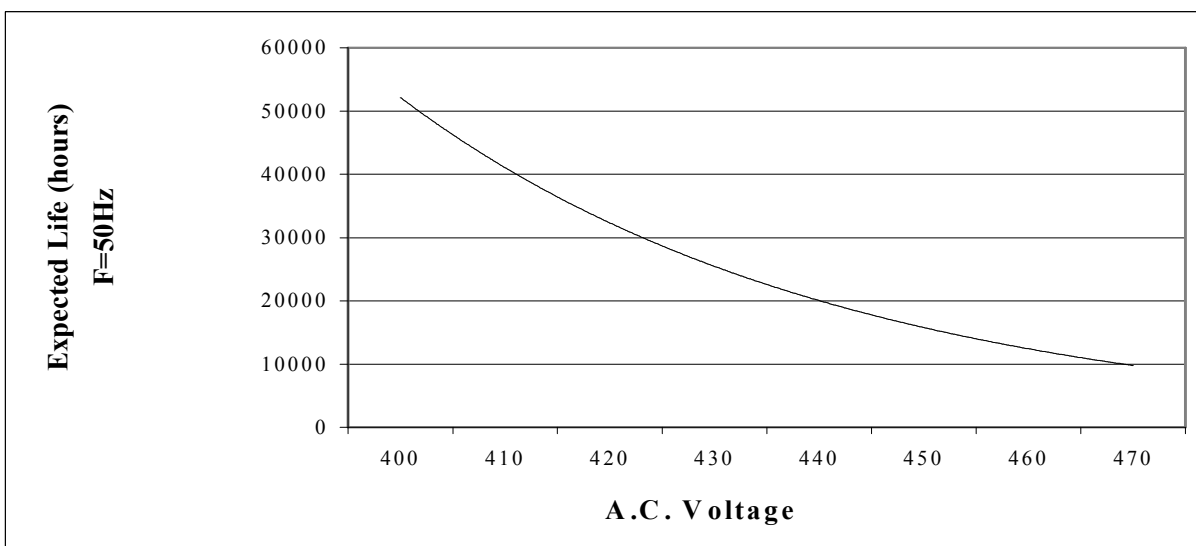
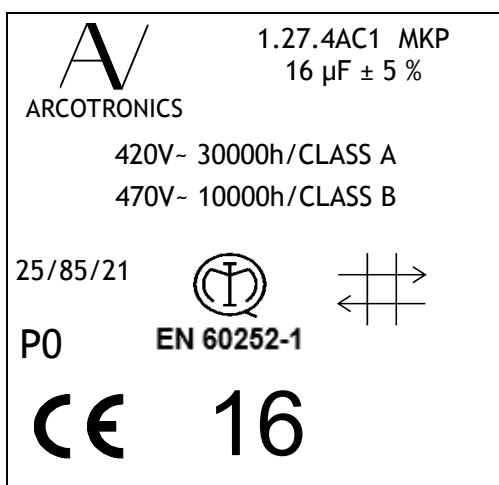
**C.27/7 Series**



### TYPICAL APPLICATIONS:

the capacitor is used in series to the start-winding of the single-phase electric motor, allowing its starting and increasing the torque during work. Main application fields: air-fans, pumps, circulators, and low power electric motors. The choice of the capacitor depends on expected life length and the mechanical connection of the user.

### PRODUCT MARKING: TYPE A – EXAMPLE:



| GENERAL DATA | SIZES TABLES | FAST-ON | BIPOLAR CABLE | FLEXIBLE CABLE | STIFF UNIPOLAR CABLE | HIGH TEMPERATURE | DRAWINGS |
|--------------|--------------|---------|---------------|----------------|----------------------|------------------|----------|
| 13           | 14           | 27      | 29            | 33             | 34                   | 35               | 57       |

# General technical data:

|                                                                                    |                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference standards                                                                | IEC 252: 1993 EN 60252: 1994 CEI EN 60252: 1994                                                                                                                                                                              |
| EN 60 252-1 approval                                                               | IMQ Testing and Certification Institute                                                                                                                                                                                      |
| UL810 "construction only"                                                          | Approved up 500 Vac Standard Marking: 250Vac<br>Please contact us for other types of marking                                                                                                                                 |
| Type of Service:                                                                   | Continuous                                                                                                                                                                                                                   |
| Working class:                                                                     | CLASS A – 30.000 hours, 420 Volt a.c.<br>CLASS B – 10.000 hours, 470 Volt a.c.                                                                                                                                               |
| Min. / Max. Operating Temperature:                                                 | - 25 / 85 °C or - 25 / 100 °C (see page 35)                                                                                                                                                                                  |
| Storage Temperature:                                                               | - 40 / 90 °C                                                                                                                                                                                                                 |
| Rated voltage $V_R$ (a.c.):                                                        | 470 Volt a.c.                                                                                                                                                                                                                |
| Rated frequency (Hz):                                                              | 50 - 60 Hz                                                                                                                                                                                                                   |
| Voltage rise/fall time (max):                                                      | 20 Volt / $\mu$ s                                                                                                                                                                                                            |
| Maximum Permissible Voltage:                                                       | 1.10 x Rated Voltage                                                                                                                                                                                                         |
| Maximum Permissible Current:                                                       | 1.30 x Rated Current                                                                                                                                                                                                         |
| Dissipation factor, $Tg\delta$ :                                                   | $20 \times 10^{-4}$ at 20°C, 50 Hz                                                                                                                                                                                           |
| Safety class:                                                                      | P0                                                                                                                                                                                                                           |
| Maximum Altitude:                                                                  | 2000 m                                                                                                                                                                                                                       |
| Capacitance tolerance (standard):                                                  | $\pm 5 \%$                                                                                                                                                                                                                   |
| Mounting:                                                                          | Any position                                                                                                                                                                                                                 |
| Can:                                                                               | Polypropylene with self-extinguishing features V2 (UL94).<br>Noryl with self-extinguishing features VI (UL94) for diameters $\geq 50$ mm                                                                                     |
| Disk:                                                                              | Nylon PA66 with self-extinguishing features V0: fast-on execution.<br>PC-A with self-extinguishing features V0: cable execution<br>Noryl PPO with self-extinguishing features VI: for diameters $\geq 40$ mm cable execution |
| Filling Resin:                                                                     | Polyurethane                                                                                                                                                                                                                 |
| Dielectric:                                                                        | Polypropylene                                                                                                                                                                                                                |
| Plates:                                                                            | Self-healing metal layer                                                                                                                                                                                                     |
| Test voltage terminal to terminal:                                                 | 2 $V_n$ for 2 s                                                                                                                                                                                                              |
| Test voltage terminal to can:                                                      | 2.000 Volt for 2 s                                                                                                                                                                                                           |
| Leakage – Clearance in air between parts under voltage:                            | $\geq 5$ mm                                                                                                                                                                                                                  |
| Leakage – Clearance in air between parts under voltage and accessible metal parts: | $\geq 6$ mm                                                                                                                                                                                                                  |
| Vibration test:                                                                    | IEC 68-2-6                                                                                                                                                                                                                   |
| Max Tightening torque:                                                             | 5 Nm (M8) - 10 Nm (M12)                                                                                                                                                                                                      |

# CASE WITH FIXING BOLT

| Rated<br>Cap.<br>$\mu\text{F}$ |   | Rated<br>Current<br>A | Max<br>dv/dt<br>V/ $\mu\text{s}$ | Diameter<br>mm | Height<br>mm | Pack.<br>pcs  | Diameter<br>mm | Height<br>mm | Pack.<br>pcs | Diameter<br>mm | Height<br>mm | Pack.<br>pcs | Weight<br>(FAST-ON)<br>g |
|--------------------------------|---|-----------------------|----------------------------------|----------------|--------------|---------------|----------------|--------------|--------------|----------------|--------------|--------------|--------------------------|
| FAST-ON                        |   |                       |                                  |                |              | BIPOLAR CABLE |                |              | UNIPOLAR     |                |              |              |                          |
| 1.0                            |   | 0.15                  | 20                               | 25             | 56.5         | 162           | 25             | 57           | 99           | 25             | 55           | 99           | 26                       |
| 1.5                            |   | 0.22                  | 20                               | 25             | 56.5         | 162           | 25             | 57           | 99           | 25             | 55           | 99           | 26                       |
| 2.0                            |   | 0.29                  | 20                               | 25             | 56.5         | 162           | 25             | 57           | 99           | 25             | 55           | 99           | 26                       |
| 2.5                            |   | 0.37                  | 20                               | 25             | 56.5         | 162           | 25             | 57           | 99           | 25             | 55           | 99           | 26                       |
| 3.0                            |   | 0.44                  | 20                               | 25             | 56.5         | 162           | 25             | 57           | 99           | 25             | 55           | 99           | 26                       |
| 3.5                            |   | 0.52                  | 20                               | 30             | 56.5         | 110           | 30             | 57           | 68           | 30             | 55           | 68           | 38                       |
| 4.0                            |   | 0.59                  | 20                               | 30             | 56.5         | 110           | 30             | 57           | 68           | 30             | 55           | 68           | 38                       |
| 4.5                            |   | 0.66                  | 20                               | 30             | 56.5         | 110           | 30             | 57           | 68           | 30             | 55           | 68           | 38                       |
| 5.0                            |   | 0.74                  | 20                               | 30             | 56.5         | 110           | 30             | 57           | 68           | 30             | 55           | 68           | 38                       |
| 6.0                            |   | 0.88                  | 20                               | 35             | 56.5         | 86            | 35             | 57           | 52           | 35             | 55           | 52           | 52                       |
| 6.3                            |   | 0.93                  | 20                               | 35             | 56.5         | 86            | 35             | 57           | 52           | 35             | 55           | 52           | 52                       |
| 7.0                            |   | 1.03                  | 20                               | 35             | 56.5         | 86            | 35             | 57           | 52           | 35             | 55           | 52           | 52                       |
| 8.0                            |   | 1.18                  | 20                               | 35             | 56.5         | 86            | 35             | 57           | 52           | 35             | 55           | 52           | 52                       |
| 9.0                            |   | 1.33                  | 20                               | 35             | 73.5         | 86            | 35             | 71.5         | 52           | 35             | 69.5         | 52           | 68                       |
| 10.0                           |   | 1.47                  | 20                               | 35             | 73.5         | 86            | 35             | 71.5         | 52           | 35             | 69.5         | 52           | 68                       |
| 12.0                           |   | 1.77                  | 20                               | 35             | 73.5         | 86            | 35             | 71.5         | 52           | 35             | 69.5         | 52           | 68                       |
| 12.5                           |   | 1.84                  | 20                               | 35             | 73.5         | 86            | 35             | 71.5         | 52           | 35             | 69.5         | 52           | 68                       |
| 14.0                           |   | 2.07                  | 20                               | 40             | 73.5         | 60            | 40             | 71.5         | 30           | 40             | 69.5         | 30           | 88                       |
| 16.0                           |   | 2.36                  | 20                               | 40             | 73.5         | 60            | 40             | 71.5         | 30           | 40             | 69.5         | 30           | 88                       |
| 18.0                           |   | 2.66                  | 20                               | 45             | 74           | 50            | 45             | 71.5         | 30           | 45             | 69.5         | 30           | 112                      |
| 20.0                           |   | 2.95                  | 20                               | 45             | 74           | 50            | 45             | 71.5         | 39           | 45             | 69.5         | 39           | 112                      |
| 22.0                           |   | 3.25                  | 20                               | 45             | 74           | 50            | 45             | 71.5         | 39           | 45             | 69.5         | 39           | 112                      |
| 25.0                           |   | 3.69                  | 20                               | 45             | 94.5         | 44            | 45             | 95           | 30           | 45             | 93           | 30           | 142                      |
| 30.0                           |   | 4.43                  | 20                               | 45             | 94.5         | 44            | 45             | 95           | 30           | 45             | 93           | 30           | 142                      |
| 31.5                           |   | 4.65                  | 20                               | 45             | 94.5         | 44            | 45             | 95           | 30           | 45             | 93           | 30           | 142                      |
| 35.0                           |   | 5.16                  | 20                               | 50             | 96           | 40            | 50             | 96.5         | 25           | 50             | 94.5         | 25           | 178                      |
| 40.0                           |   | 5.90                  | 20                               | 50             | 121          | 40            | 50             | 121.5        | 25           | 50             | 119.5        | 25           | 224                      |
| 45.0                           |   | 6.64                  | 20                               | 50             | 121          | 40            | 50             | 121.5        | 25           | 50             | 119.5        | 25           | 224                      |
| 50.0                           | ⊖ | 7.38                  | 20                               | 50             | 121          | 40            | 60             | 121.5        | 16           | 60             | 119.5        | 16           | 224                      |
| 55.0                           | ⊖ | 8.12                  | 20                               | 55             | 120          | 32            | 60             | 120.5        | 16           | 60             | 118.5        | 16           | 271                      |
| 60.0                           | ⊖ | 8.85                  | 20                               | 55             | 120          | 32            | 60             | 120.5        | 16           | 60             | 118.5        | 16           | 271                      |

⊖ Capacitor produced according to EN 60252-1 standard with Arcotronics self-certification



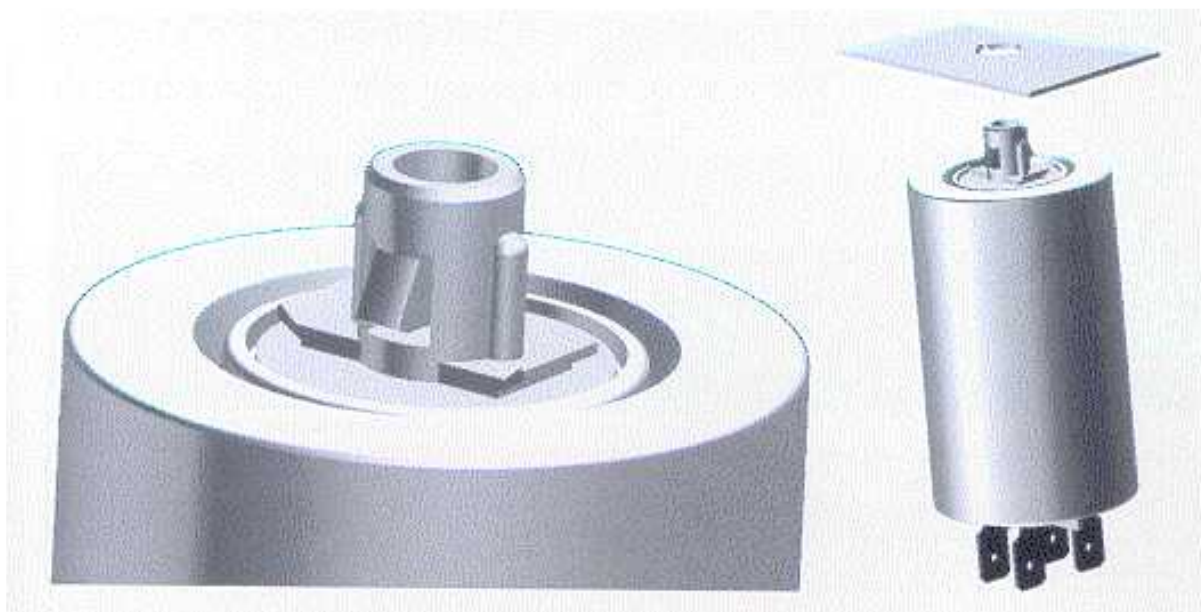
# CASE WITHOUT FIXING BOLT

| Rated<br>Cap.<br><br>$\mu\text{F}$ |   | Rated<br>Current<br><br>A | Max<br>dv/dt<br><br>$\text{V}/\mu\text{s}$ | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Weight<br><br>(FAST-ON)<br><br>g |
|------------------------------------|---|---------------------------|--------------------------------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|----------------------------------|
|                                    |   |                           | FAST-ON                                    |                    |                  | BIPOLAR CABLE    |                    |                  | UNIPOLAR         |                    |                  |                  |                                  |
| 1.0                                |   | 0.15                      | 20                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 1.5                                |   | 0.22                      | 20                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.0                                |   | 0.29                      | 20                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.5                                |   | 0.37                      | 20                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.0                                |   | 0.44                      | 20                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.5                                |   | 0.52                      | 20                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 4.0                                |   | 0.59                      | 20                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 4.5                                |   | 0.66                      | 20                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 5.0                                |   | 0.74                      | 20                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 6.0                                |   | 0.88                      | 20                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 6.3                                |   | 0.93                      | 20                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 7.0                                |   | 1.03                      | 20                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 8.0                                |   | 1.18                      | 20                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 9.0                                |   | 1.33                      | 20                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 10.0                               |   | 1.47                      | 20                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 12.0                               |   | 1.77                      | 20                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 12.5                               |   | 1.84                      | 20                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 14.0                               |   | 2.07                      | 20                                         | 40                 | 73.5             | 60               | 40                 | 71.5             | 39               | 40                 | 69.5             | 39               | 88                               |
| 16.0                               |   | 2.36                      | 20                                         | 40                 | 73.5             | 60               | 40                 | 71.5             | 39               | 40                 | 69.5             | 39               | 88                               |
| 18.0                               |   | 2.66                      | 20                                         | 45                 | 74               | 50               | 45                 | 71.5             | 30               | 45                 | 69.5             | 30               | 112                              |
| 20.0                               |   | 2.95                      | 20                                         | 45                 | 74               | 50               | 45                 | 71.5             | 30               | 45                 | 69.5             | 30               | 112                              |
| 22.0                               |   | 3.25                      | 20                                         | 45                 | 74               | 50               | 45                 | 71.5             | 30               | 45                 | 69.5             | 30               | 112                              |
| 25.0                               |   | 3.69                      | 20                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 30.0                               |   | 4.43                      | 20                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 31.5                               |   | 4.65                      | 20                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 35.0                               |   | 5.16                      | 20                                         | 50                 | 94.5             | 40               | 50                 | 95               | 25               | 50                 | 93               | 25               | 198                              |
| 40.0                               |   | 5.90                      | 20                                         | 50                 | 118.5            | 40               | 50                 | 119              | 25               | 50                 | 117              | 25               | 224                              |
| 45.0                               |   | 6.64                      | 20                                         | 50                 | 118.5            | 40               | 50                 | 119              | 25               | 50                 | 117              | 25               | 224                              |
| 50.0                               | ⊕ | 7.38                      | 20                                         | 50                 | 118.5            | 40               | 60                 | 119              | 16               | 60                 | 117              | 16               | 224                              |
| 55.0                               | ⊖ | 8.12                      | 20                                         | 55                 | 118.5            | 32               | 60                 | 119              | 16               | 60                 | 117              | 16               | 271                              |
| 60.0                               | ⊖ | 8.85                      | 20                                         | 55                 | 118.5            | 32               | 60                 | 119              | 16               | 60                 | 117              | 16               | 271                              |

⊖ Capacitor produced according to EN60252-1 standard with Arcotronics self-certification

**CASE WITH QUICK FITTING DEVICE**

| Rated<br>Cap. | Rated<br>Current | Max<br>dv/dt     | Diameter | Height | Pack. | Diameter      | Height | Pack. | Diameter | Height | Pack. | Weight    |
|---------------|------------------|------------------|----------|--------|-------|---------------|--------|-------|----------|--------|-------|-----------|
| $\mu\text{F}$ | A                | V/ $\mu\text{s}$ | FAST-ON  |        |       | BIPOLAR CABLE |        |       | UNIPOLAR |        |       | (FAST-ON) |
|               |                  |                  | mm       | mm     | pcs   | mm            | mm     | pcs   | mm       | mm     | pcs   | g         |
| 1.0           | 0.15             | 20               | 25       | 56.5   | 99    | 25            | 57     | 99    | 25       | 55     | 99    | 26        |
| 1.5           | 0.22             | 20               | 25       | 56.5   | 99    | 25            | 57     | 99    | 25       | 55     | 99    | 26        |
| 2.0           | 0.29             | 20               | 25       | 56.5   | 99    | 25            | 57     | 99    | 25       | 55     | 99    | 26        |
| 2.5           | 0.37             | 20               | 25       | 56.5   | 99    | 25            | 57     | 99    | 25       | 55     | 99    | 26        |
| 3.0           | 0.44             | 20               | 25       | 56.5   | 99    | 25            | 57     | 99    | 25       | 55     | 99    | 26        |
| 3.5           | 0.52             | 20               | 30       | 56.5   | 68    | 30            | 57     | 68    | 30       | 55     | 68    | 38        |
| 4.0           | 0.59             | 20               | 30       | 56.5   | 68    | 30            | 57     | 68    | 30       | 55     | 68    | 38        |
| 4.5           | 0.66             | 20               | 30       | 56.5   | 68    | 30            | 57     | 68    | 30       | 55     | 68    | 38        |
| 5.0           | 0.74             | 20               | 30       | 56.5   | 68    | 30            | 57     | 68    | 30       | 55     | 68    | 38        |
| 6.0           | 0.88             | 20               | 35       | 56.5   | 52    | 35            | 57     | 52    | 35       | 55     | 52    | 52        |
| 6.3           | 0.93             | 20               | 35       | 56.5   | 52    | 35            | 57     | 52    | 35       | 55     | 52    | 52        |
| 7.0           | 1.03             | 20               | 35       | 56.5   | 52    | 35            | 57     | 52    | 35       | 55     | 52    | 52        |
| 8.0           | 1.18             | 20               | 35       | 56.5   | 52    | 35            | 57     | 52    | 35       | 55     | 52    | 52        |
| 9.0           | 1.33             | 20               | 35       | 73.5   | 52    |               |        |       |          |        |       | 68        |
| 10.0          | 1.47             | 20               | 35       | 73.5   | 52    |               |        |       |          |        |       | 68        |
| 12.0          | 1.77             | 20               | 35       | 73.5   | 52    |               |        |       |          |        |       | 68        |
| 12.5          | 1.84             | 20               | 35       | 73.5   | 52    |               |        |       |          |        |       | 68        |





**TYPICAL APPLICATIONS:** the capacitor is used in series to the start-winding of the single-phase electric motor, allowing its starting and increasing the torque during work. C.27/6 series is particularly suitable for low voltage applications and medium expected life. Main application fields: air-fans, pumps, circulators, low power electric motor.

**PRODUCT MARKING: TYPE C – EXAMPLE:**

  
**ARCOTRONICS**

**1.27.6CC2 MKP**  
**5  $\mu$ F  $\pm$  5 %**

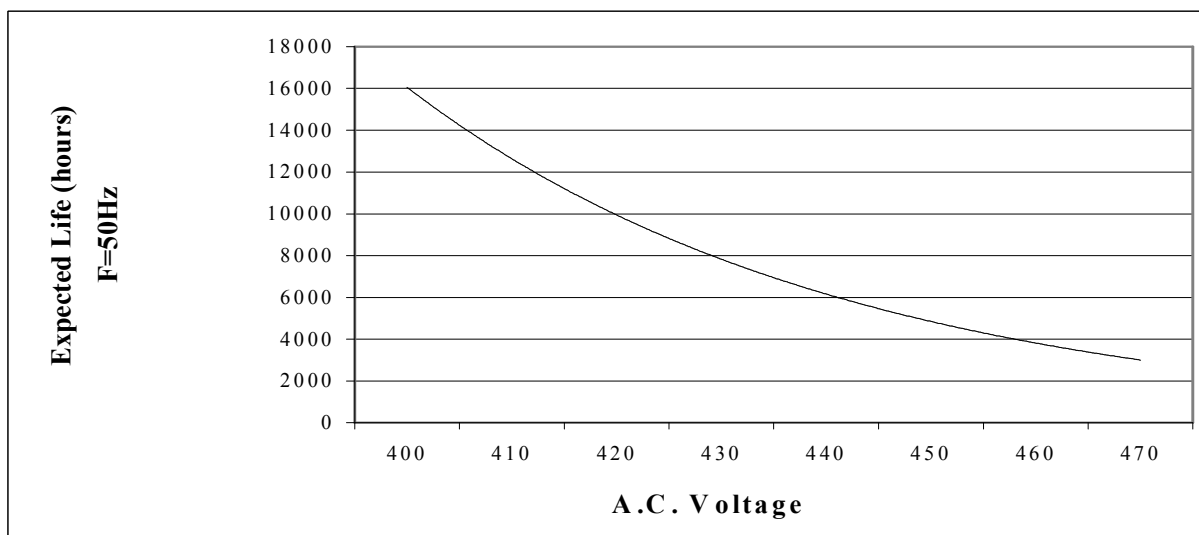
**420V~ 10000h/CLASS B**  
**470V~ 3000h/CLASS C**

**25/85/21**  
  
**P0**

  
**EN 60252-1**

  
**CE**

**5**



| GENERAL DATA | SIZES TABLES | FAST-ON   | BIPOLAR CABLE | FLEXIBLE CABLE | STIFF UNIPOLAR CABLE | DRAWINGS  |
|--------------|--------------|-----------|---------------|----------------|----------------------|-----------|
| <b>18</b>    | <b>19</b>    | <b>27</b> | <b>29</b>     | <b>33</b>      | <b>34</b>            | <b>57</b> |

**General technical data:**

| Reference standards                                                                | IEC 252: 1993                                                                                                                                                                                                               | EN 60252: 1994 | CEI EN 60252: 1994 |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
| EN 60 252-1 approval                                                               | <b>IMQ Testing and Certification Institute</b>                                                                                                                                                                              |                |                    |
| UL810 "construction only"                                                          | <b>Approved up 500 Vac</b> Standard Marking: 250Vac<br>contact us for other types of marking                                                                                                                                |                | Please             |
| Great Wall approval (China)                                                        |                                                                                                                                                                                                                             |                |                    |
| Type of Service:                                                                   | Continuous                                                                                                                                                                                                                  |                |                    |
| Working class:                                                                     | <b>CLASS B – 10.000 hours, 420 Volt a.c.</b><br><b>CLASS C – 3.000 hours, 470 Volt a.c.</b>                                                                                                                                 |                |                    |
| Min. / Max. Operating Temperature:                                                 | - 25 / 85 °C                                                                                                                                                                                                                |                |                    |
| Storage Temperature:                                                               | - 40 / 90 °C                                                                                                                                                                                                                |                |                    |
| Rated voltage Vn (a.c.):                                                           | 470 Volt a.c.                                                                                                                                                                                                               |                |                    |
| Rated frequency (Hz):                                                              | 50 - 60 Hz                                                                                                                                                                                                                  |                |                    |
| Voltage rise/fall time (max):                                                      | 15 Volt / $\mu$ s                                                                                                                                                                                                           |                |                    |
| Maximum Permissible Voltage:                                                       | 1.10 x Rated Voltage                                                                                                                                                                                                        |                |                    |
| Maximum Permissible Current:                                                       | 1.30 x Rated Current                                                                                                                                                                                                        |                |                    |
| Dissipation factor, Tg $\delta$ :                                                  | 20 x 10 <sup>-4</sup> at 20°C, 50 Hz                                                                                                                                                                                        |                |                    |
| Safety class:                                                                      | P0                                                                                                                                                                                                                          |                |                    |
| Maximum Altitude:                                                                  | 2000 m                                                                                                                                                                                                                      |                |                    |
| Capacitance tolerance (standard):                                                  | $\pm$ 5 %                                                                                                                                                                                                                   |                |                    |
| Mounting:                                                                          | Any position                                                                                                                                                                                                                |                |                    |
| Can:                                                                               | Polypropylene with self-extinguishing features V2 (UL94).<br>Noryl with self-extinguishing features VI (UL94) for diameters $\geq$ 50 mm                                                                                    |                |                    |
| Disk:                                                                              | Nylon PA66 with self-extinguishing features V0: fast-on execution.<br>PC-A with self-extinguishing features V0: cable execution<br>Noryl PPO with self-extinguishing features VI: for diameters $\geq$ 40mm cable execution |                |                    |
| Filling Resin:                                                                     | Polyurethane                                                                                                                                                                                                                |                |                    |
| Dielectric:                                                                        | Polypropylene                                                                                                                                                                                                               |                |                    |
| Plates:                                                                            | Self-healing metal layer                                                                                                                                                                                                    |                |                    |
| Test voltage terminal to terminal:                                                 | 2 Vn for 2 s                                                                                                                                                                                                                |                |                    |
| Test voltage terminal to can:                                                      | 2.000 Volt for 2 s                                                                                                                                                                                                          |                |                    |
| Leakage – Clearance in air between parts under voltage:                            | $\geq$ 5mm                                                                                                                                                                                                                  |                |                    |
| Leakage – Clearance in air between parts under voltage and accessible metal parts: | $\geq$ 6mm                                                                                                                                                                                                                  |                |                    |
| Vibration test:                                                                    | IEC 68-2-6                                                                                                                                                                                                                  |                |                    |
| Max Tightening torque:                                                             | 5 Nm (M8) - 10 Nm (M12)                                                                                                                                                                                                     |                |                    |

# CASE WITH FIXING BOLT

| Rated<br>Cap. |   | Rated<br>Current | Max<br>dv/dt     | Diameter | Height | Pack. | Diameter | Height | Pack. | Diameter | Height | Pack. | Weight<br>(FAST-ON) |
|---------------|---|------------------|------------------|----------|--------|-------|----------|--------|-------|----------|--------|-------|---------------------|
| $\mu\text{F}$ |   | A                | V/ $\mu\text{s}$ | mm       | mm     | pcs   | mm       | mm     | pcs   | mm       | mm     | pcs   | g                   |
| 1.0           |   | 0.15             | 15               | 25       | 56.5   | 162   | 25       | 57     | 99    | 25       | 55     | 99    | 26                  |
| 1.5           |   | 0.22             | 15               | 25       | 56.5   | 162   | 25       | 57     | 99    | 25       | 55     | 99    | 26                  |
| 2.0           |   | 0.29             | 15               | 25       | 56.5   | 162   | 25       | 57     | 99    | 25       | 55     | 99    | 26                  |
| 2.5           |   | 0.37             | 15               | 25       | 56.5   | 162   | 25       | 57     | 99    | 25       | 55     | 99    | 26                  |
| 3.0           |   | 0.44             | 15               | 25       | 56.5   | 162   | 25       | 57     | 99    | 25       | 55     | 99    | 26                  |
| 3.5           |   | 0.52             | 15               | 25       | 56.5   | 162   | 25       | 57     | 99    | 25       | 55     | 99    | 26                  |
| 4.0           |   | 0.59             | 15               | 25       | 56.5   | 162   | 25       | 57     | 99    | 25       | 55     | 99    | 26                  |
| 4.5           |   | 0.66             | 15               | 30       | 56.5   | 110   | 30       | 57     | 68    | 30       | 55     | 68    | 38                  |
| 5.0           |   | 0.74             | 15               | 30       | 56.5   | 110   | 30       | 57     | 68    | 30       | 55     | 68    | 38                  |
| 6.0           |   | 0.88             | 15               | 30       | 56.5   | 110   | 30       | 57     | 68    | 30       | 55     | 68    | 38                  |
| 6.3           |   | 0.93             | 15               | 30       | 56.5   | 110   | 30       | 57     | 68    | 30       | 55     | 68    | 38                  |
| 7.0           |   | 1.03             | 15               | 30       | 56.5   | 110   | 30       | 57     | 68    | 30       | 55     | 68    | 38                  |
| 8.0           |   | 1.18             | 15               | 35       | 56.5   | 86    | 35       | 57     | 52    | 35       | 55     | 52    | 52                  |
| 9.0           |   | 1.33             | 15               | 35       | 56.5   | 86    | 35       | 57     | 52    | 35       | 55     | 52    | 52                  |
| 10.0          |   | 1.47             | 15               | 35       | 56.5   | 86    | 35       | 57     | 52    | 35       | 55     | 52    | 52                  |
| 12.0          |   | 1.77             | 15               | 35       | 73.5   | 86    | 35       | 71.5   | 52    | 35       | 69.5   | 52    | 68                  |
| 12.5          |   | 1.84             | 15               | 35       | 73.5   | 86    | 35       | 71.5   | 52    | 35       | 69.5   | 52    | 68                  |
| 14.0          |   | 2.07             | 15               | 35       | 73.5   | 86    | 35       | 71.5   | 52    | 35       | 69.5   | 52    | 68                  |
| 16.0          |   | 2.36             | 15               | 35       | 73.5   | 86    | 35       | 71.5   | 52    | 35       | 69.5   | 52    | 68                  |
| 18.0          |   | 2.66             | 15               | 40       | 73.5   | 60    | 40       | 71.5   | 39    | 40       | 69.5   | 39    | 88                  |
| 20.0          |   | 2.95             | 15               | 40       | 73.5   | 60    | 40       | 71.5   | 39    | 40       | 69.5   | 39    | 88                  |
| 22.0          |   | 3.25             | 15               | 40       | 73.5   | 60    | 40       | 71.5   | 39    | 40       | 69.5   | 39    | 88                  |
| 25.0          |   | 3.69             | 15               | 45       | 74     | 50    | 45       | 71.5   | 30    | 45       | 69.5   | 30    | 112                 |
| 30.0          |   | 4.43             | 15               | 45       | 74     | 50    | 45       | 71.5   | 30    | 45       | 69.5   | 30    | 112                 |
| 31.5          |   | 4.65             | 15               | 45       | 94.5   | 44    | 45       | 95     | 30    | 45       | 93     | 30    | 142                 |
| 35.0          |   | 5.16             | 15               | 45       | 94.5   | 44    | 45       | 95     | 30    | 45       | 93     | 30    | 142                 |
| 40.0          |   | 5.90             | 15               | 45       | 94.5   | 44    | 45       | 95     | 30    | 45       | 93     | 30    | 142                 |
| 45.0          |   | 6.64             | 15               | 50       | 96     | 40    | 50       | 96.5   | 25    | 50       | 94.5   | 25    | 178                 |
| 50.0          |   | 7.38             | 15               | 50       | 121    | 40    | 50       | 121.5  | 25    | 50       | 119.5  | 25    | 224                 |
| 55.0          |   | 8.12             | 15               | 50       | 121    | 40    | 50       | 121.5  | 25    | 50       | 119.5  | 25    | 224                 |
| 60.0          | ⊖ | 8.85             | 15               | 50       | 121    | 40    | 50       | 121.5  | 25    | 50       | 119.5  | 25    | 224                 |
| 65.0          | ⊖ | 9.60             | 15               | 50       | 121    | 40    | 50       | 121.5  | 25    | 50       | 119.5  | 25    | 224                 |
| 70.0          | ⊖ | 10.30            | 15               | 50       | 121    | 40    | 50       | 121.5  | 25    | 50       | 119.5  | 25    | 224                 |

⊖ Capacitor produced according to EN60252-1 standard with Arcotronics self-certification

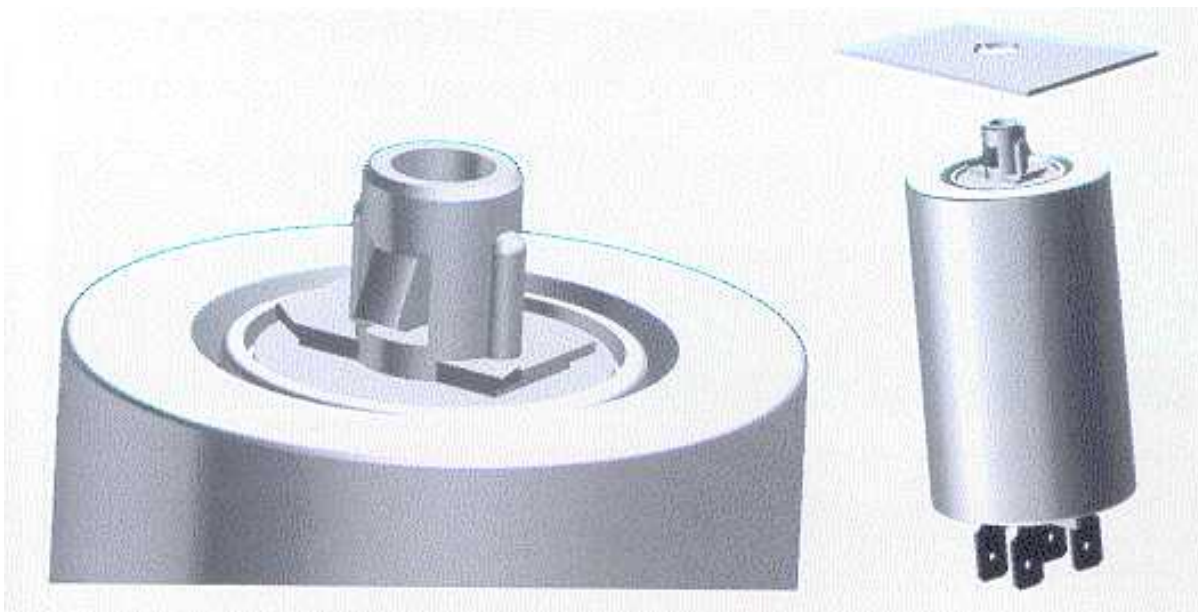
# CASE WITHOUT FIXING BOLT

| Rated<br>Cap. |   | Rated<br>Current | Max<br>dv/dt     | Diameter | Height | Pack. | Diameter      | Height | Pack. | Diameter | Height | Pack. | Weight         |
|---------------|---|------------------|------------------|----------|--------|-------|---------------|--------|-------|----------|--------|-------|----------------|
| $\mu\text{F}$ |   | A                | V/ $\mu\text{s}$ | FAST-ON  |        |       | BIPOLAR CABLE |        |       | UNIPOLAR |        |       | (FAST-ON)<br>g |
|               |   |                  |                  | mm       | mm     | pcs   | mm            | mm     | pcs   | mm       | mm     | pcs   |                |
| 1.0           |   | 0.15             | 15               | 25       | 56.5   | 162   | 25            | 57     | 99    | 25       | 55     | 99    | 26             |
| 1.5           |   | 0.22             | 15               | 25       | 56.5   | 162   | 25            | 57     | 99    | 25       | 55     | 99    | 26             |
| 2.0           |   | 0.29             | 15               | 25       | 56.5   | 162   | 25            | 57     | 99    | 25       | 55     | 99    | 26             |
| 2.5           |   | 0.37             | 15               | 25       | 56.5   | 162   | 25            | 57     | 99    | 25       | 55     | 99    | 26             |
| 3.0           |   | 0.44             | 15               | 25       | 56.5   | 162   | 25            | 57     | 99    | 25       | 55     | 99    | 26             |
| 3.5           |   | 0.52             | 15               | 25       | 56.5   | 162   | 25            | 57     | 99    | 25       | 55     | 99    | 26             |
| 4.0           |   | 0.59             | 15               | 25       | 56.5   | 162   | 25            | 57     | 99    | 25       | 55     | 99    | 26             |
| 4.5           |   | 0.66             | 15               | 30       | 56.5   | 110   | 30            | 57     | 68    | 30       | 55     | 68    | 38             |
| 5.0           |   | 0.74             | 15               | 30       | 56.5   | 110   | 30            | 57     | 68    | 30       | 55     | 68    | 38             |
| 6.0           |   | 0.88             | 15               | 30       | 56.5   | 110   | 30            | 57     | 68    | 30       | 55     | 68    | 38             |
| 6.3           |   | 0.93             | 15               | 30       | 56.5   | 110   | 30            | 57     | 68    | 30       | 55     | 68    | 38             |
| 7.0           |   | 1.03             | 15               | 30       | 56.5   | 110   | 30            | 57     | 68    | 30       | 55     | 68    | 38             |
| 8.0           |   | 1.18             | 15               | 35       | 56.5   | 86    | 35            | 57     | 52    | 35       | 55     | 52    | 52             |
| 9.0           |   | 1.33             | 15               | 35       | 56.5   | 86    | 35            | 57     | 52    | 35       | 55     | 52    | 68             |
| 10.0          |   | 1.47             | 15               | 35       | 56.5   | 86    | 35            | 57     | 52    | 35       | 55     | 52    | 68             |
| 12.0          |   | 1.77             | 15               | 35       | 73.5   | 86    | 35            | 71.5   | 52    | 35       | 69.5   | 52    | 68             |
| 12.5          |   | 1.84             | 15               | 35       | 73.5   | 86    | 35            | 71.5   | 52    | 35       | 69.5   | 52    | 68             |
| 14.0          |   | 2.07             | 15               | 35       | 73.5   | 86    | 35            | 71.5   | 52    | 35       | 69.5   | 52    | 68             |
| 16.0          |   | 2.36             | 15               | 35       | 73.5   | 86    | 35            | 71.5   | 52    | 35       | 69.5   | 52    | 68             |
| 18.0          |   | 2.66             | 15               | 40       | 73.5   | 60    | 40            | 71.5   | 39    | 40       | 69.5   | 39    | 88             |
| 20.0          |   | 2.95             | 15               | 40       | 73.5   | 60    | 40            | 71.5   | 39    | 40       | 69.5   | 39    | 88             |
| 22.0          |   | 3.25             | 15               | 40       | 73.5   | 60    | 40            | 71.5   | 39    | 40       | 69.5   | 39    | 88             |
| 25.0          |   | 3.69             | 15               | 45       | 74     | 50    | 45            | 71.5   | 30    | 45       | 69.5   | 30    | 112            |
| 30.0          |   | 4.43             | 15               | 45       | 74     | 50    | 45            | 71.5   | 30    | 45       | 69.5   | 30    | 112            |
| 31.5          |   | 4.65             | 15               | 45       | 94.5   | 44    | 45            | 95     | 30    | 45       | 93     | 30    | 142            |
| 35.0          |   | 5.16             | 15               | 45       | 94.5   | 44    | 45            | 95     | 30    | 45       | 93     | 30    | 142            |
| 40.0          |   | 5.90             | 15               | 45       | 94.5   | 44    | 45            | 95     | 30    | 45       | 93     | 30    | 142            |
| 45.0          |   | 6.64             | 15               | 50       | 94.5   | 40    | 50            | 95     | 25    | 50       | 93     | 25    | 178            |
| 50.0          |   | 7.38             | 15               | 50       | 118.5  | 40    | 50            | 119    | 25    | 50       | 117    | 25    | 224            |
| 55.0          |   | 8.12             | 15               | 50       | 118.5  | 40    | 50            | 119    | 25    | 50       | 117    | 25    | 224            |
| 60.0          | ⊖ | 8.85             | 15               | 50       | 118.5  | 40    | 50            | 119    | 25    | 50       | 117    | 25    | 224            |
| 65.0          | ⊖ | 9.60             | 15               | 50       | 118.5  | 40    | 50            | 119    | 25    | 50       | 117    | 25    | 224            |
| 70.0          | ⊖ | 10.30            | 15               | 50       | 118.5  | 40    | 50            | 119    | 25    | 50       | 117    | 25    | 224            |

⊖ Capacitor produced according EN60252-1 standard with Arcotronics self-certification

**CASE WITH QUICK FITTING DEVICE**

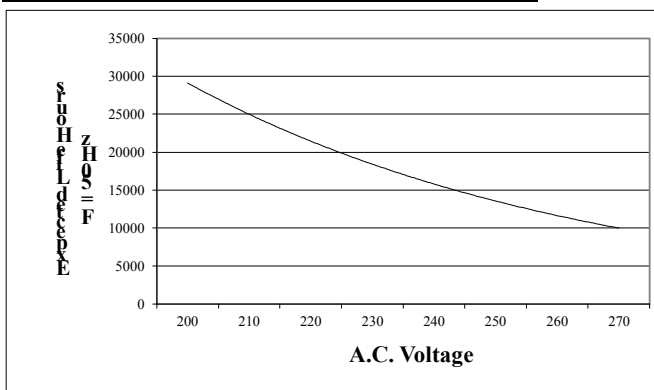
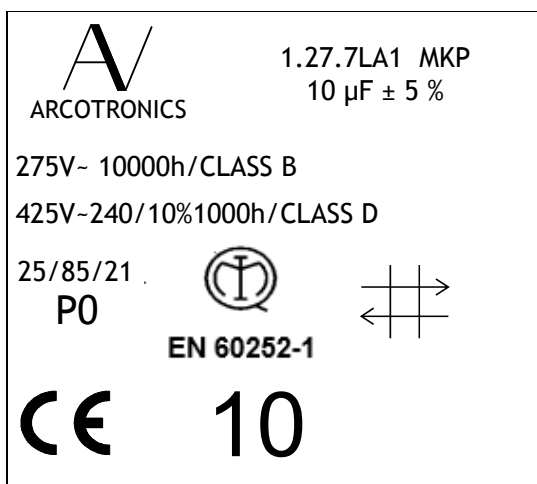
| Rated<br>Cap.<br><br>$\mu\text{F}$ | Rated<br>Current<br><br>A | Max<br>dv/dt<br><br>$\text{V}/\mu\text{s}$ | FAST-ON            |                  |                  | BIPOLAR CABLE      |                  |                  | UNIPOLAR           |                  |                  | Weight<br><br>(FAST-ON)<br><br>g |
|------------------------------------|---------------------------|--------------------------------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|----------------------------------|
|                                    |                           |                                            | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs |                                  |
| 1.0                                | 0.15                      | 15                                         | 25                 | 56.5             | 297              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 1.5                                | 0.22                      | 15                                         | 25                 | 56.5             | 297              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.0                                | 0.29                      | 15                                         | 25                 | 56.5             | 297              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.5                                | 0.37                      | 15                                         | 25                 | 56.5             | 297              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.0                                | 0.44                      | 15                                         | 25                 | 56.5             | 297              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.5                                | 0.52                      | 15                                         | 25                 | 56.5             | 207              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.0                                | 0.59                      | 15                                         | 25                 | 56.5             | 297              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.5                                | 0.66                      | 15                                         | 30                 | 56.5             | 204              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 5.0                                | 0.74                      | 15                                         | 30                 | 56.5             | 204              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 6.0                                | 0.88                      | 15                                         | 30                 | 56.5             | 204              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 6.3                                | 0.93                      | 15                                         | 30                 | 56.5             | 204              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 7.0                                | 1.03                      | 15                                         | 30                 | 56.5             | 204              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 8.0                                | 1.18                      | 15                                         | 35                 | 56.5             | 136              | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 9.0                                | 1.33                      | 15                                         | 35                 | 56.5             | 136              | 35                 | 57               | 52               | 35                 | 55               | 52               | 68                               |
| 10.0                               | 1.47                      | 15                                         | 35                 | 56.5             | 136              | 35                 | 57               | 52               | 35                 | 55               | 52               | 68                               |
| 12.0                               | 1.77                      | 15                                         | 35                 | 73.5             | 104              |                    |                  |                  |                    |                  |                  | 68                               |
| 12.5                               | 1.84                      | 15                                         | 35                 | 73.5             | 104              |                    |                  |                  |                    |                  |                  | 68                               |
| 14.0                               | 2.07                      | 15                                         | 35                 | 73.5             | 104              |                    |                  |                  |                    |                  |                  | 68                               |





**TYPICAL APPLICATIONS:** the capacitor is used in series to the start-winding of the single-phase electric motor, allowing its starting and increasing the torque during work. This series is suitable for low voltage application and medium expected life. Main application fields: air-fans, rolling shutters motors, and battery chargers.

### MARKING PRODUCT: TYPE L – EXAMPLE:



| GENERAL DATA | SIZES TABLES | FAST-ON | BIPOLAR CABLE | FLEXIBLE CABLE | STIFF UNIPOLAR CABLE | DRAWINGS |
|--------------|--------------|---------|---------------|----------------|----------------------|----------|
| 23           | 24           | 27      | 29            | 33             | 34                   | 57       |



**General technical data:**

|                                                                                    |                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference standards                                                                | IEC 252: 1993    EN 60252: 1994                                                                                                                                                                                             |
| EN 60 252-1 approval                                                               | IMQ standard institute                                                                                                                                                                                                      |
| UL810 "construction only"                                                          | Approved up 500 Vac Standard Marking: 250Vac<br>Please contact us for other types of marking                                                                                                                                |
| Type of working:                                                                   | Continuous                                                                                                                                                                                                                  |
| Working class:                                                                     | <b>CLASS B - 10.000 hours, 275 Volt a.c.<br/>Continuous working</b>                                                                                                                                                         |
|                                                                                    | <b>CLASS D - 1.000 hours, 425 Volt a.c.<br/>Intermittent Working 24min/240min</b>                                                                                                                                           |
| Temperature: Operating Min. / Max.:                                                | - 40 / 85 °C or - 25 / 85 °C                                                                                                                                                                                                |
| Storage:                                                                           | - 40 / 90 °C                                                                                                                                                                                                                |
| Rated voltage Vn (a.c.):                                                           | 275Volt a.c.                                                                                                                                                                                                                |
| Intermittent voltage Vn (ac)                                                       | 425 Volt – 24 minutes every 4 hours                                                                                                                                                                                         |
| Rated frequency (Hz):                                                              | 50 - 60 Hz                                                                                                                                                                                                                  |
| Voltage rise/fall time (max):                                                      | 15 Volt / $\mu$ s                                                                                                                                                                                                           |
| Maximum Permissible Voltage:                                                       | 1.10 x Rated Voltage                                                                                                                                                                                                        |
| Maximum Permissible Current:                                                       | 1.30 x Rated Current                                                                                                                                                                                                        |
| Dissipation factor Tg $\delta$ :                                                   | 20 x 10 <sup>-4</sup> at 20°C, 50 Hz                                                                                                                                                                                        |
| Safety class:                                                                      | P0                                                                                                                                                                                                                          |
| Maximum altitude:                                                                  | 2000 m                                                                                                                                                                                                                      |
| Capacitance tolerance (standard):                                                  | $\pm$ 5 %                                                                                                                                                                                                                   |
| Mounting:                                                                          | Any position                                                                                                                                                                                                                |
| Case:                                                                              | Plastic Material with self-extinguishing features V2 (UL94).<br>Noryl with self-extinguishing features V1 (UL94 standard) for diameters $\geq$ 50 mm                                                                        |
| Disk:                                                                              | Nylon PA66 with self-extinguishing features V0: fast-on execution.<br>PC-A with self-extinguishing features V0: cable execution<br>Noryl PPO with self-extinguishing features V1: for diameters $\geq$ 40mm cable execution |
| Dielectric:                                                                        | Polypropylene                                                                                                                                                                                                               |
| Plates:                                                                            | Self-healing metal layer                                                                                                                                                                                                    |
| Voltage test terminal to terminal:                                                 | 2 Vn for 2 s Continuous working / 1.5 Intermittent working                                                                                                                                                                  |
| Voltage test terminal to case:                                                     | 2.000 Volt for 2 s                                                                                                                                                                                                          |
| Leakage – Clearance in air between parts under voltage:                            | $\geq$ 5mm                                                                                                                                                                                                                  |
| Leakage – Clearance in air between parts under voltage and accessible metal parts: | $\geq$ 6mm                                                                                                                                                                                                                  |
| Vibration test:                                                                    | IEC 68-2-6                                                                                                                                                                                                                  |
| Max Tightening torque:                                                             | 5 Nm (M8) - 10 Nm (M12)                                                                                                                                                                                                     |

# CASE WITH FIXING BOLT

| Rated<br>Cap.<br><br>$\mu\text{F}$ |   | Rated<br>Current<br><br>A | Max<br>dv/dt<br><br>$\text{V}/\mu\text{s}$ | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Weight<br><br>(FAST-ON)<br><br>g |
|------------------------------------|---|---------------------------|--------------------------------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|----------------------------------|
|                                    |   |                           |                                            | FAST-ON            |                  |                  | BIPOLAR CABLE      |                  |                  | UNIPOLAR           |                  |                  |                                  |
| 1.0                                |   | 0.1                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 1.5                                |   | 0.1                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.0                                |   | 0.2                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.5                                |   | 0.2                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.0                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.5                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.0                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.5                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 5.0                                |   | 0.4                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 6.0                                |   | 0.5                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 6.3                                |   | 0.5                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 7.0                                |   | 0.6                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 8.0                                |   | 0.7                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 9.0                                |   | 0.8                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 10.0                               |   | 0.9                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 12.0                               |   | 1.0                       | 15                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 14.0                               |   | 1.2                       | 15                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 16.0                               |   | 1.4                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 18.0                               |   | 1.6                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 20.0                               |   | 1.7                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 22.0                               |   | 1.9                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 25.0                               |   | 2.2                       | 15                                         | 40                 | 73.5             | 60               | 40                 | 71.5             | 39               | 40                 | 69.5             | 39               | 88                               |
| 30.0                               |   | 2.6                       | 15                                         | 40                 | 73.5             | 60               | 40                 | 71.5             | 39               | 40                 | 69.5             | 39               | 88                               |
| 31.5                               |   | 2.7                       | 15                                         | 45                 | 74               | 50               | 45                 | 71.5             | 30               | 45                 | 69.5             | 30               | 112                              |
| 35.0                               |   | 3.0                       | 15                                         | 45                 | 74               | 50               | 45                 | 71.5             | 30               | 45                 | 69.5             | 30               | 112                              |
| 40.0                               |   | 3.5                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 45.0                               | ⊖ | 3.9                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 50.0                               | ⊖ | 4.3                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 55.0                               | ⊖ | 4.8                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 60.0                               | ⊖ | 5.2                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 65.0                               | ⊖ | 5.7                       | 15                                         | 50                 | 96               | 40               | 50                 | 96.5             | 25               | 50                 | 94.5             | 25               | 178                              |
| 70.0                               | ⊖ | 6.1                       | 15                                         | 50                 | 96               | 40               | 50                 | 96.5             | 25               | 50                 | 94.5             | 25               | 178                              |
| 75.0                               | ⊖ | 6.5                       | 15                                         | 50                 | 96               | 40               | 50                 | 96.5             | 25               | 50                 | 94.5             | 25               | 178                              |
| 80.0                               | ⊖ | 7.0                       | 15                                         | 50                 | 121              | 40               | 50                 | 121.5            | 25               | 50                 | 119.5            | 25               | 224                              |
| 90.0                               | ⊖ | 7.8                       | 15                                         | 50                 | 121              | 40               | 50                 | 121.5            | 25               | 50                 | 119.5            | 25               | 224                              |
| 100.0                              | ⊖ | 8.7                       | 15                                         | 50                 | 121              | 40               | 50                 | 121.5            | 25               | 50                 | 119.5            | 25               | 224                              |

⊖ Capacitor produced according EN60252-1 standard with Arcotronics self-certification

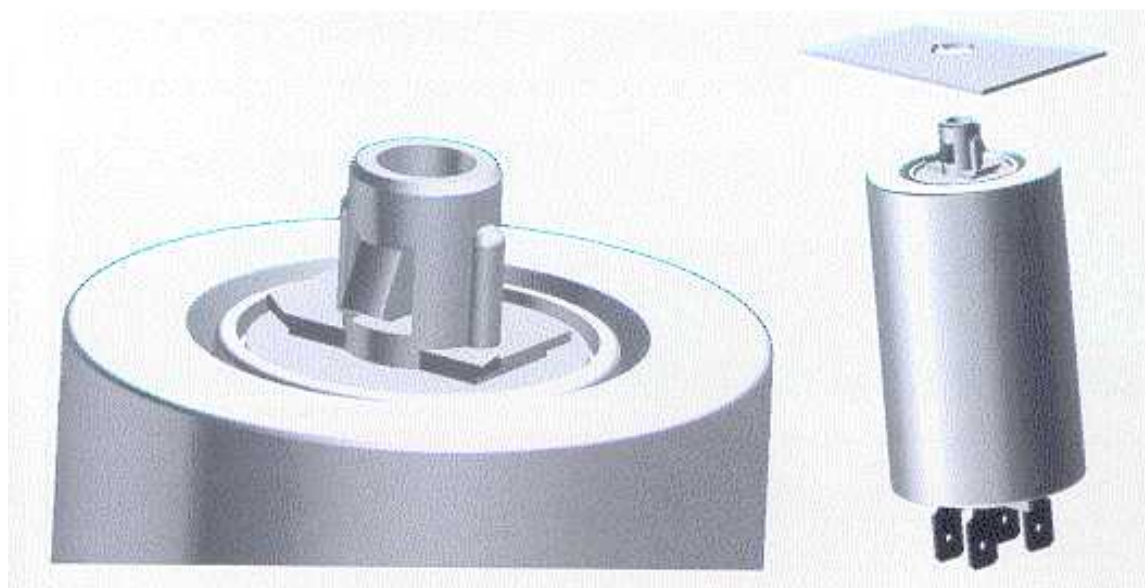
# CASE WITHOUT FIXING BOLT

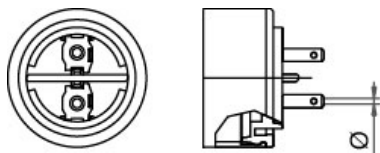
| Rated<br>Cap.<br><br>$\mu\text{F}$ |   | Rated<br>Current<br><br>A | Max<br>dv/dt<br><br>$\text{V}/\mu\text{s}$ | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Weight<br><br>(FAST-ON)<br><br>g |
|------------------------------------|---|---------------------------|--------------------------------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|----------------------------------|
| FAST-ON                            |   |                           |                                            |                    |                  | BIPOLAR CABLE    |                    |                  | UNIPOLAR         |                    |                  |                  |                                  |
| 1.0                                |   | 0.1                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 1.5                                |   | 0.1                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.0                                |   | 0.2                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.5                                |   | 0.2                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.0                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.5                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.0                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.5                                |   | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 5.0                                |   | 0.4                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 6.0                                |   | 0.5                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 6.3                                |   | 0.5                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 7.0                                |   | 0.6                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 8.0                                |   | 0.7                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 9.0                                |   | 0.8                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 10.0                               |   | 0.9                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 12.0                               |   | 1.0                       | 15                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 14.0                               |   | 1.2                       | 15                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 16.0                               |   | 1.4                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 18.0                               |   | 1.6                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 20.0                               |   | 1.7                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 22.0                               |   | 1.9                       | 15                                         | 35                 | 73.5             | 86               | 35                 | 71.5             | 52               | 35                 | 69.5             | 52               | 68                               |
| 25.0                               |   | 2.2                       | 15                                         | 40                 | 73.5             | 60               | 40                 | 71.5             | 39               | 40                 | 69.5             | 39               | 88                               |
| 30.0                               |   | 2.6                       | 15                                         | 40                 | 73.5             | 60               | 40                 | 71.5             | 39               | 40                 | 69.5             | 39               | 88                               |
| 31.5                               |   | 2.7                       | 15                                         | 45                 | 74               | 50               | 45                 | 71.5             | 30               | 45                 | 69.5             | 30               | 112                              |
| 35.0                               |   | 3.0                       | 15                                         | 45                 | 74               | 50               | 45                 | 71.5             | 30               | 45                 | 69.5             | 30               | 112                              |
| 40.0                               |   | 3.5                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 45.0                               | ⊖ | 3.9                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 50.0                               | ⊖ | 4.3                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 55.0                               | ⊖ | 4.8                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 60.0                               | ⊖ | 5.2                       | 15                                         | 45                 | 94.5             | 44               | 45                 | 95               | 30               | 45                 | 93               | 30               | 142                              |
| 65.0                               | ⊖ | 5.7                       | 15                                         | 50                 | 94.5             | 40               | 50                 | 95               | 25               | 50                 | 93               | 25               | 178                              |
| 70.0                               | ⊖ | 6.1                       | 15                                         | 50                 | 94.5             | 40               | 50                 | 95               | 25               | 50                 | 93               | 25               | 178                              |
| 75.0                               | ⊖ | 6.5                       | 15                                         | 50                 | 94.5             | 40               | 50                 | 95               | 25               | 50                 | 93               | 25               | 178                              |
| 80.0                               | ⊖ | 7.0                       | 15                                         | 50                 | 118.5            | 40               | 50                 | 119              | 25               | 50                 | 117              | 25               | 224                              |
| 90.0                               | ⊖ | 7.8                       | 15                                         | 50                 | 118.5            | 40               | 50                 | 119              | 25               | 50                 | 117              | 25               | 224                              |
| 100.0                              | ⊖ | 8.7                       | 15                                         | 50                 | 118.5            | 40               | 50                 | 119              | 25               | 50                 | 117              | 25               | 224                              |

⊖ Capacitor produced according EN60252-1 standard with Arcotronics self-certification

**CASE WITH QUICK FITTING DEVICE**

| Rated<br>Cap.<br><br>$\mu\text{F}$ | Rated<br>Current<br><br>A | Max<br>dv/dt<br><br>$\text{V}/\mu\text{s}$ | FAST-ON            |                  |                  | BIPOLAR CABLE      |                  |                  | UNIPOLAR           |                  |                  | Weight<br><br>(FAST-ON)<br><br>g |
|------------------------------------|---------------------------|--------------------------------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|----------------------------------|
|                                    |                           |                                            | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs | Diameter<br><br>mm | Height<br><br>mm | Pack.<br><br>pcs |                                  |
| 1.0                                | 0.1                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 1.5                                | 0.1                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.0                                | 0.2                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 2.5                                | 0.2                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.0                                | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 3.5                                | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.0                                | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 4.5                                | 0.3                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 5.0                                | 0.4                       | 15                                         | 25                 | 56.5             | 162              | 25                 | 57               | 99               | 25                 | 55               | 99               | 26                               |
| 6.0                                | 0.5                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 6.3                                | 0.5                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 7.0                                | 0.6                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 8.0                                | 0.7                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 9.0                                | 0.8                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 10.0                               | 0.9                       | 15                                         | 30                 | 56.5             | 110              | 30                 | 57               | 68               | 30                 | 55               | 68               | 38                               |
| 12.0                               | 1.0                       | 15                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 14.0                               | 1.2                       | 15                                         | 35                 | 56.5             | 86               | 35                 | 57               | 52               | 35                 | 55               | 52               | 52                               |
| 16.0                               | 1.4                       | 15                                         | 35                 | 73.5             | 86               |                    |                  |                  |                    |                  |                  | 68                               |
| 18.0                               | 1.6                       | 15                                         | 35                 | 73.5             | 104              |                    |                  |                  |                    |                  |                  | 68                               |
| 20.0                               | 1.7                       | 15                                         | 35                 | 73.5             | 104              |                    |                  |                  |                    |                  |                  | 68                               |
| 22.0                               | 1.9                       | 15                                         | 35                 | 73.5             | 104              |                    |                  |                  |                    |                  |                  | 68                               |

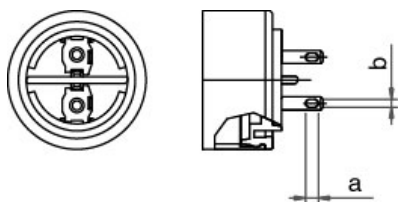


**C.27. SERIES Fast-on 2.8 mm with Hole**


| TYPE OF TERMINAL  | FAST-ON 2.8 WITH HOLE                              |
|-------------------|----------------------------------------------------|
| Execution:        | Standard                                           |
| Protection degree | IP00                                               |
| Wire Material     | Steel tinned by electrolysis                       |
| Length            | 2.8 mm                                             |
| Thickness         | 0.8 mm                                             |
| Hole Diameter     | 1.3                                                |
| Standard          | DIN46244                                           |
| Nut               | Steel coated with zinc M8 UNI5589 DIN 936          |
| Washer            | Diameter 8.4 White steel coated with zinc DIN 6798 |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | 1 | - | - | - | - | A | A | - | - |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|

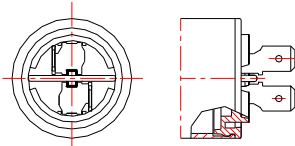
|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | - | - | A | 1 | - | - | - | - | A | A | - | - |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**C.27. SERIES Fast-on 2.8 mm with Slot**


| TYPE OF TERMINAL  | FAST ON 2.8 WITH SLOT (SOLDERING TERMINALS)        |
|-------------------|----------------------------------------------------|
| Execution:        | On request                                         |
| Protection degree | IP00                                               |
| Wire material     | Steel tinned by electrolysis                       |
| Length            | 2.8 mm                                             |
| Thickness         | 0.8 mm                                             |
| Slot a x b        | 2.8 x 1.7                                          |
| Standard          | DIN46244                                           |
| Nut               | Steel coated with zinc M8 UNI5589 DIN 936          |
| Washer            | Diameter 8.4 White steel coated with zinc DIN 6798 |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | 4 | - | - | - | - | A | A | - | - |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|

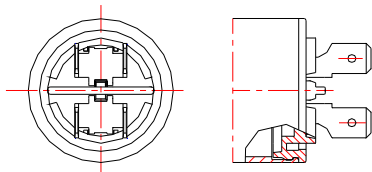
|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | - | - | A | 4 | - | - | - | - | A | A | - | - |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**C.27. SERIES Single Fast-on 6.3 mm**


| TERMINAL          | FAST-ON 6.3 (SINGLE)                               |
|-------------------|----------------------------------------------------|
| Execution:        | Standard                                           |
| Protection degree | IP00                                               |
| Wire material     | Steel tinned by electrolysis                       |
| Length            | 6.3 mm                                             |
| Thickness         | 0.8 mm                                             |
| Standard          | DIN46244                                           |
| Nut               | Steel coated with zinc M8 UNI5589 DIN 936          |
| Washer            | Diameter 8.4 White steel coated with zinc DIN 6798 |

|                                         |   |   |   |   |   |            |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|------------|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | <b>C/D</b> | 2 | - | - | - | - | A | A | - | - |
|-----------------------------------------|---|---|---|---|---|------------|---|---|---|---|---|---|---|---|---|

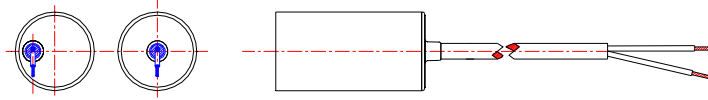
|                        |   |   |   |   |   |          |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|----------|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | - | - | <b>A</b> | 2 | - | - | - | - | A | A | - | - |
|------------------------|---|---|---|---|---|----------|---|---|---|---|---|---|---|---|---|

**C.27. SERIES Double Fast-on 6.3 mm**


| TYPE OF TERMINAL  | FAST-ON 6.3MM (DOUBLE)                             |
|-------------------|----------------------------------------------------|
| Execution:        | Standard                                           |
| Protection degree | IP00                                               |
| Wire material     | Steel tinned by electrolysis                       |
| Length            | 6.3 mm                                             |
| Thickness         | 0.8 mm                                             |
| Standard          | DIN46244                                           |
| Nut               | Steel coated with zinc M8 UNI5589 DIN 936          |
| Washer            | Diameter 8.4 White steel coated with zinc DIN 6798 |

|                                         |   |   |   |   |   |            |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|------------|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | <b>C/D</b> | 3 | - | - | - | - | A | A | - | - |
|-----------------------------------------|---|---|---|---|---|------------|---|---|---|---|---|---|---|---|---|

|                        |   |   |   |   |   |          |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|----------|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | - | - | <b>A</b> | 3 | - | - | - | - | A | A | - | - |
|------------------------|---|---|---|---|---|----------|---|---|---|---|---|---|---|---|---|

**C.27. SERIES Bipolar Cable Standard Execution**


Cable mark : H05 V2 V2-F 90°C

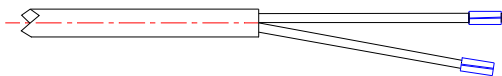
| TYPE                  | FLEXIBLE BIPOLAR CABLE FOR HIGH TEMPERATURE |
|-----------------------|---------------------------------------------|
| Execution:            | Standard                                    |
| Protection degree     | IP55                                        |
| Cable                 | PVC (Polyvinyl chloride)                    |
| Designation           | H05V2V2-F                                   |
| Standard              | CEI 20 – 20                                 |
| Operating Temperature | 90 °C                                       |
| Conductor             | Flexible soft copper wire 2 x 0.75 sq.mm    |
| Insulating            | Polyvinyl chloride TI3                      |
| Sleeve                | Polyvinyl chloride TM3                      |
| Conductors colour     | Blue / Brown                                |
| Cable stripping. (Sg) | 40 mm                                       |
| Cable peeling (Sp)    | 8 mm                                        |
| Finishing             | Tinning                                     |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | F | - | - | - | - |   |   | - | - |
| Total length                            |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
| S = 150 mm                              |   |   |   |   |   | C/D | F |   |   |   |   | L | D |   |   |
| S = 200 mm                              |   |   |   |   |   | C/D | F |   |   |   |   | L | E |   |   |
| S = 250 mm                              |   |   |   |   |   | C/D | F |   |   |   |   | L | F |   |   |
| S = 300 mm                              |   |   |   |   |   | C/D | F |   |   |   |   | L | G |   |   |
| S = 350 mm                              |   |   |   |   |   | C/D | F |   |   |   |   | L | H |   |   |
| S = 400 mm                              |   |   |   |   |   | C/D | F |   |   |   |   | L | I |   |   |

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | - | - | A | F | - | - | - | - |   |   | - | - |
| Total Length           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| S = 150 mm             |   |   |   |   |   | A | F |   |   |   |   | L | D |   |   |
| S = 200 mm             |   |   |   |   |   | A | F |   |   |   |   | L | E |   |   |
| S = 250 mm             |   |   |   |   |   | A | F |   |   |   |   | L | F |   |   |
| S = 300 mm             |   |   |   |   |   | A | F |   |   |   |   | L | G |   |   |
| S = 350 mm             |   |   |   |   |   | A | F |   |   |   |   | L | H |   |   |
| S = 400 mm             |   |   |   |   |   | A | F |   |   |   |   | L | I |   |   |

For applications requiring a specific termination, Arcotronics supplies a full range of capacitors with a bipolar cable provided with terminal. The material used (Brass – Cu Zn) provided with tinning (Gal Sn) determines the quality and reliability of the connections also in the case of very high temperatures (155°C).

### C.27. SERIES Bipolar Cable Pin Terminals

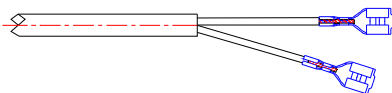


| TYPE                 | BIPOLAR CABLE WITH PIN TERMINAL |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Execution:</b>    | <b>Special</b>                  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cable unsheathing    | 40 mm                           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Terminations:</b> |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Point material       | Cu Zn gal Sn                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Material thickness   | 0.25 mm                         |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Terminal length      | 7 mm                            |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | J | - | - | - | - | * | * | - | - |
| Total length S = 300 mm                 |   |   |   |   |   | C/D | J |   |   |   |   | L | G |   |   |

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | - | - | A | J | - | - | - | - | * | * | - | - |
| Total length S = 300mm |   |   |   |   |   | A | J |   |   |   |   | L | G |   |   |

### C.27. SERIES Bipolar Cable Straight Fast-on 6.3 mm

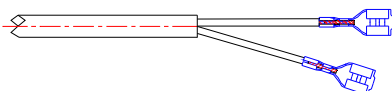


| TYPE               | BIPOLAR CABLE WITH STRAIGHT FAST-ON 6.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-----------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Execution:</b>  | <b>Special</b>                          |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Termination:       | Straight Female Fast-on – 6.3           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cable stripping    | 40 mm                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fast – on material | Cu Zn gal Sn                            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Material thickness | 0.42 mm                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Terminal length    | 19.3 mm                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | H | - | - | - | - | * | * | - | - |
| Total length S = 300 mm                 |   |   |   |   | - | C/D | H |   |   |   |   | L | G |   |   |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i>  | C | 2 | 7 | - | - | A | H | - | - | - | - | * | * | - | - |
| Total length S = 300 mm |   |   |   |   | - | A | H |   |   |   |   | L | G |   |   |

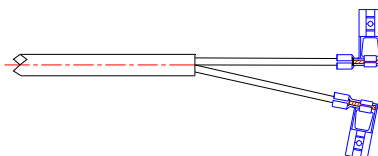


**C.27. SERIES Bipolar Cable Straight Female Fast-on 4.8 mm**


|                    |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>TYPE</b>        | <b>BIPOLAR CABLE WITH STRAIGHT FEMALE FAST-ON 4.8</b> |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Execution:</b>  | <b>Special</b>                                        |  |  |  |  |  |  |  |  |  |  |  |  |
| Termination:       | Straight female fast-on – 4.8                         |  |  |  |  |  |  |  |  |  |  |  |  |
| Cable unsheathing  | 40 mm                                                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Fast-on material   | Cu Zn gal Sn                                          |  |  |  |  |  |  |  |  |  |  |  |  |
| Material thickness | 0.35 mm                                               |  |  |  |  |  |  |  |  |  |  |  |  |
| Terminal length    | 15.6 mm                                               |  |  |  |  |  |  |  |  |  |  |  |  |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | G | - | - | - | - | * | * | - | - |
| Total length S = 300 mm                 |   |   |   |   |   | C/D | G |   |   |   |   | L | G |   |   |

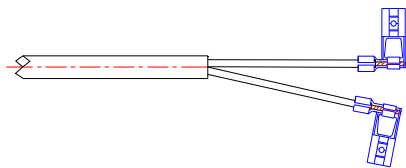
|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i>  | C | 2 | 7 | - | - | A | G | - | - | - | - | * | * | - | - |
| Total length S = 300 mm |   |   |   |   |   | A | G |   |   |   |   | L | G |   |   |

**C.27. SERIES Bipolar Cable Flag Female Fast-on 4.8 mm**


|                    |                                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|---------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>TYPE</b>        | <b>BIPOLAR CABLE WITH FEMALE FLAG FAST-ON 4.8</b> |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Execution:</b>  | <b>Special</b>                                    |  |  |  |  |  |  |  |  |  |  |  |  |
| Fast-on material   | Cu Zn gal Sn                                      |  |  |  |  |  |  |  |  |  |  |  |  |
| Material thickness | 0.35 mm                                           |  |  |  |  |  |  |  |  |  |  |  |  |
| Terminal length    | 12.5 mm                                           |  |  |  |  |  |  |  |  |  |  |  |  |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | L | - | - | - | - | * | * | - | - |
| Total length S = 300 mm                 |   |   |   |   |   | C/D | L |   |   |   |   | L | G |   |   |

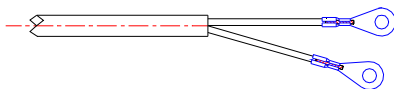
|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i>  | C | 2 | 7 | - | - | A | L | - | - | - | - | * | * | - | - |
| Total length S = 300 mm |   |   |   |   |   | A | L |   |   |   |   | L | G |   |   |

**C.27. SERIES Bipolar Cable Flag Female Fast-on 6.3 mm**


|                    |                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-----------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>TYPE</b>        | <b>BIPOLAR CABLE WITH FEMALE FLAG FAST-ON A 6.3</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Execution:</b>  | <b>Special</b>                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fast-on material   | Cu Zn gal Sn                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Material thickness | 0.35 mm                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Terminal length    | 12.5 mm                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | K | - | - | - | - | * | * | - | - |
| Total length S = 300 mm                 |   |   |   |   |   | C/D | K |   |   |   |   | L | G |   |   |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i>  | C | 2 | 7 | - | - | A | K | - | - | - | - | * | * | - | - |
| Total length S = 300 mm |   |   |   |   |   | A | K |   |   |   |   | L | G |   |   |

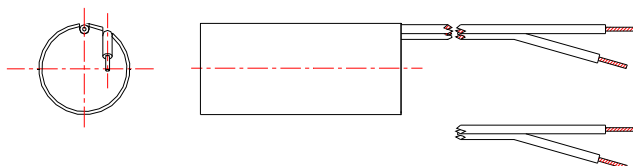
**C.27. SERIES Bipolar Cable Ring Terminals M4**


|                    |                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|--------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>TYPE</b>        | <b>BIPOLAR CABLE WITH RING TERMINAL M4</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Execution:</b>  | <b>Special</b>                             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Terminal material  | Cu Zn gal Sn                               |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Material thickness | 0.40 mm                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ring diameter      | 4 mm                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D | I | - | - | - | - | * | * | - | - |
| Total length S=300 mm                   |   |   |   |   |   | C/D | I |   |   |   |   | L | G |   |   |

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | - | - | A | I | - | - | - | - | * | * | - | - |
| Total length S=300mm   |   |   |   |   |   | A | I |   |   |   |   | L | G |   |   |

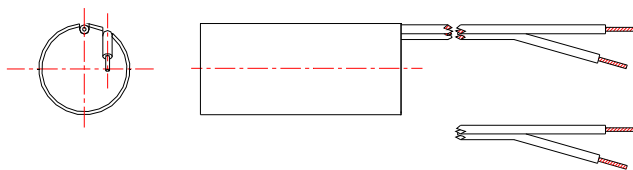
The range of capacitors belonging to C.27 series with a PVC unipolar cable has been specifically designed for applications in circulators and pumps fields. The cable is harmonised according to CEI 20-20 standards ( CENELEC HD21) for an operating temperature of 90°C, but assures a maximum temperature up to 105°C.

**C.27. SERIES Unipolar Cable Flexible**


| TYPE                      | PVC INSULATED UNIPOLAR CABLE, WITHOUT SLEEVE FOR HIGH TEMPERATURES |
|---------------------------|--------------------------------------------------------------------|
| Execution:                | Standard                                                           |
| Protection degree         | IP55                                                               |
| Cable                     | PVC (Polyvinyl chloride)                                           |
| Designation               | H05V2-U                                                            |
| Standard                  | CEI 20 – 20                                                        |
| Operating temperature     | 90 °C                                                              |
| <b>Conductor</b>          | <b>FLEXIBLE SOFT COPPER WIRE</b>                                   |
| Section                   | 0.75 sq.mm                                                         |
| Insulating                | Good quality Polyvinyl chloride TI3                                |
| Insulating: Ext. diameter | 2.4 mm (±0.2)                                                      |
| Sleeve                    | Absent                                                             |
| Conductor colour          | White                                                              |
| Rated voltage             | 300 / 500 V                                                        |
| Cable unsheathing         | 8 mm                                                               |
| Finishing                 | Tinning                                                            |

| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D |   | - | - | - | - | * | * | - | - |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| S = 100 mm                              |   |   |   |   |   |     | A |   |   |   |   | A | C |   |   |
| S = 150 mm                              |   |   |   |   |   |     | A |   |   |   |   | A | D |   |   |
| S = 200 mm                              |   |   |   |   |   |     | A |   |   |   |   | A | E |   |   |

| <i>Basic execution</i> | C | 2 | 7 | - | - | A |   | - | - | - | - | * | * | - | - |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S = 100 mm             |   |   |   |   |   |   | A |   |   |   |   | A | C |   |   |
| S = 150 mm             |   |   |   |   |   |   | A |   |   |   |   | A | D |   |   |
| S = 200 mm             |   |   |   |   |   |   | A |   |   |   |   | A | E |   |   |

**C.27 SERIES. Unipolar Cable Stiff Wires**


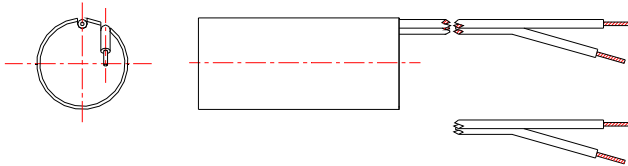
| TYPE                      | PVC INSULATED UNIPOLAR CABLE, WITHOUT SLEEVE FOR HIGH TEMPERATURES |
|---------------------------|--------------------------------------------------------------------|
| Execution:                | Standard                                                           |
| Protection degree         | IP55                                                               |
| Cable                     | PVC (Polyvinyl chloride)                                           |
| Designation               | H05V2-U                                                            |
| Standard                  | CEI 20 – 20                                                        |
| Operating temperature     | 90 °C                                                              |
| <b>Conductor</b>          | <b>SINGLE SOFT COPPER WIRE</b>                                     |
| Section                   | 0.75 sq.mm                                                         |
| Insulating                | Good quality Polyvinyl chloride T13                                |
| Insulating: ext. diameter | 2.3 mm (±0.2)                                                      |
| Sleeve                    | Absent                                                             |
| Conductors colour         | White                                                              |
| Rated voltage             | 300 / 500 V                                                        |
| Cable unsheathing         | 8 mm                                                               |
| Cable: Minimum length     | 60 mm                                                              |
| Cable: Maximum length     | 250mm                                                              |

|                                         |   |   |   |   |   |     |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|
| <i>Metal bolt / quick fit execution</i> | C | 2 | 7 | - | - | C/D |   | - | - | - | - | * | * | - | - |
| Total length S = 100 mm                 |   |   |   |   |   | C/D | R |   |   |   |   | A | C |   |   |
| S = 150 mm                              |   |   |   |   |   | C/D | R |   |   |   |   | A | D |   |   |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i>  | C | 2 | 7 | - | - | A |   | - | - | - | - | * | * | - | - |
| Total length S = 100 mm |   |   |   |   |   | A | R |   |   |   |   | A | C |   |   |
| S = 150 mm              |   |   |   |   |   | A | R |   |   |   |   | A | D |   |   |

**Unipolar Cable Flexible High Temperature**

The range of high temperature capacitors HT has been specifically designed for applications where a long life must be assured with high temperatures i.e. for circulators pumps. The capacitors have been approved by VDE in compliance with EN60252 standard for a maximum operating temperature up to 100°C, the expected life at 100 °C @ 400 Vac is 10000 H.



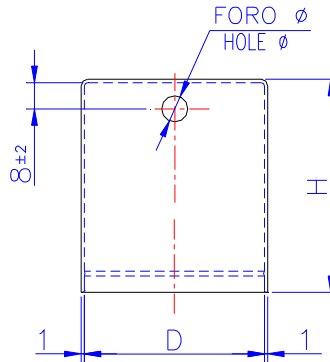
|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| Operating Temperature: |                                                                                                                 |
| Minimum / Maximum      | -25°C / + 100°C                                                                                                 |
| Expected Life          | 10000 H (CLASS B) at 400 Vac 100 °C<br>10000 H (CLASS B) at 470 Vac 85 °C<br>30000 H (CLASS A) at 420 Vac 85 °C |
| Approval:              | EN60252 (VDE)                                                                                                   |
| Capacitance:           | from 1 to 9 µ F                                                                                                 |
| Standard execution:    | PVC Stiff Cable                                                                                                 |
| Type of cable          | as for                                                                                                          |

|                        |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|-------|---|---|---|---|---|---|---|---|---|
| <i>Basic execution</i> | C | 2 | 7 | 4 | E | *     | A | - | - | - | - | * | * | - | - |
| S = 100 mm             |   |   |   |   |   | A/C/D | A |   |   |   |   | A | C |   |   |
| S = 150 mm             |   |   |   |   |   | A/C/D | A |   |   |   |   | A | D |   |   |
| S = 200 mm             |   |   |   |   |   | A/C/D | A |   |   |   |   | A | E |   |   |

| CAP. | dv/dt Max | Diameter | Height |
|------|-----------|----------|--------|
| µF   | V/µs      | φ        | H      |
| 1    | 20        | 25       | 48     |
| 1.5  | 20        | 25       | 48     |
| 2    | 20        | 25       | 48     |
| 2.5  | 20        | 25       | 48     |
| 3    | 20        | 25       | 48     |
| 3.5  | 20        | 30       | 55     |
| 4    | 20        | 30       | 55     |
| 4.5  | 20        | 30       | 55     |
| 5    | 20        | 30       | 55     |
| 6    | 20        | 35       | 55     |
| 6.3  | 20        | 35       | 55     |
| 7    | 20        | 35       | 55     |
| 8    | 20        | 35       | 55     |

**ACCESSORIES PLASTIC PROTECTION CAPACITORS:**
**Mechanical features**

|                   |   |                                   |
|-------------------|---|-----------------------------------|
| Protection degree | ⇒ | IP40                              |
| Material          | ⇒ | Eva Novex V22 H864 (Polyethylene) |
| Selfextinguishing | ⇒ | HB                                |
| Colour            | ⇒ | Natural                           |

**Mechanical drawing**


| D<br>(mm) | H<br>(mm) | HOLE Ø<br>(mm) | CODE           |
|-----------|-----------|----------------|----------------|
| 25        | 41        | 6              | 20.151.0079.00 |
| 25        | 41        | 8              | 20.151.0022.00 |
| 25        | 41        | 9              | 20.151.0081.00 |
| 30        | 40        | 6              | 20.151.0077.00 |
| 30        | 40        | 8              | 20.151.0023.00 |
| 30        | 65        | 8              | 20.151.0084.00 |
| 30        | 40        | 9              | 20.151.0082.00 |
| 30        | 40        | 10             | 20.151.0083.00 |
| 35        | 40        | 6              | 20.151.0078.00 |
| 35        | 40        | 8              | 20.151.0024.00 |
| 35        | 65        | 8              | 20.151.0085.00 |
| 35        | 40        | 10             | 20.151.0025.00 |
| 35        | 40        | 12             | 20.151.0026.00 |
| 40        | 50        | 6              | 20.151.0030.00 |
| 40        | 50        | 8              | 20.151.0033.00 |
| 40        | 50        | 10             | 20.151.0075.00 |
| 40        | 50        | 12             | 20.151.0035.00 |
| 45        | 50        | 6              | 20.151.0037.00 |
| 45        | 50        | 8              | 20.151.0040.00 |
| 45        | 50        | 10             | 20.151.0076.00 |
| 45        | 50        | 12             | 20.151.0042.00 |
| 50        | 65        | 8              | 20.151.0088.00 |
| 50        | 65        | 8              | 20.151.0089.00 |

### C.27 SERIES – OPTIONS

| Series | Fixing       | Execution                      | Rated Cap.<br>(from, to)<br>μF | Diameter<br>mm | Height<br>mm |
|--------|--------------|--------------------------------|--------------------------------|----------------|--------------|
| C.27/4 | Bolt         | Bipolar cable (unipolar cable) | 3.5 to 5                       | 25             | 71.5 (69.5)  |
| C.27/4 | Bolt         | Bipolar cable (unipolar cable) | 6 to 8                         | 30             | 71.5 (69.5)  |
| C.27/4 | Bolt         | Bipolar cable (unipolar cable) | 14 to 16                       | 35             | 95.5 (93.5)  |
| C.27/4 | Bolt         | Bipolar cable (unipolar cable) | 18 to 22                       | 40             | 95.5 (93.5)  |
| C.27/4 | Bolt         | Bipolar cable (unipolar cable) | 35                             | 50             | 95.5 (93.5)  |
| C.27/4 | Without bolt | Bipolar cable (unipolar cable) | 3.5 to 5                       | 25             | 71.5 (69.5)  |
| C.27/4 | Without bolt | Bipolar cable (unipolar cable) | 6 to 8                         | 30             | 71.5 (69.5)  |
| C.27/4 | Without bolt | Bipolar cable (unipolar cable) | 14 to 16                       | 35             | 95.5 (93.5)  |
| C.27/4 | Without bolt | Bipolar cable (unipolar cable) | 18 to 22                       | 40             | 95.5 (93.5)  |
| C.27/4 | Without bolt | Bipolar cable (unipolar cable) | 35                             | 50             | 120 (119.5)  |
| C.27/6 | Bolt         | Bipolar cable (unipolar cable) | 3.5 to 5                       | 25             | 71.5 (69.5)  |
| C.27/6 | Bolt         | Bipolar cable (unipolar cable) | 6 to 8                         | 30             | 71.5 (69.5)  |
| C.27/6 | Bolt         | Bipolar cable (unipolar cable) | 14 to 16                       | 35             | 95.5 (95.5)  |
| C.27/6 | Bolt         | Bipolar cable (unipolar cable) | 18 to 22                       | 40             | 95.5 (95.5)  |
| C.27/6 | Without bolt | Bipolar cable (unipolar cable) | 3.5 to 5                       | 25             | 71.5 (69.5)  |
| C.27/6 | Without bolt | Bipolar cable (unipolar cable) | 6 to 8                         | 30             | 71.5 (69.5)  |
| C.27/6 | Without bolt | Bipolar cable (unipolar cable) | 14 to 16                       | 35             | 95.5 (95.5)  |
| C.27/6 | Without bolt | Bipolar cable (unipolar cable) | 18 to 22                       | 40             | 95.5 (95.5)  |
| C.27/7 | Bolt         | Bipolar cable (unipolar cable) | 6 to 10                        | 25             | 71.5 (69.5)  |
| C.27/7 | Bolt         | Bipolar cable (unipolar cable) | 12 to 14                       | 30             | 71.5 (69.5)  |
| C.27/7 | Bolt         | Bipolar cable (unipolar cable) | 25 to 30                       | 35             | 95.5 (93.5)  |
| C.27/7 | Bolt         | Bipolar cable (unipolar cable) | 31.5 to 35                     | 40             | 95.5 (93.5)  |
| C.27/7 | Without bolt | Bipolar cable (unipolar cable) | 6 to 10                        | 25             | 71.5 (69.5)  |
| C.27/7 | Without bolt | Bipolar cable (unipolar cable) | 12 to 14                       | 30             | 71.5 (69.5)  |
| C.27/7 | Without bolt | Bipolar cable (unipolar cable) | 25 to 30                       | 35             | 95.5 (93.5)  |
| C.27/7 | Without bolt | Bipolar cable (unipolar cable) | 31.5 to 35                     | 40             | 95.5 (93.5)  |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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