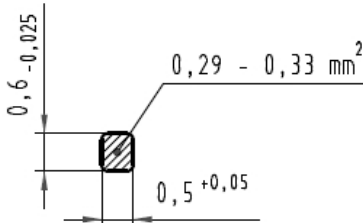
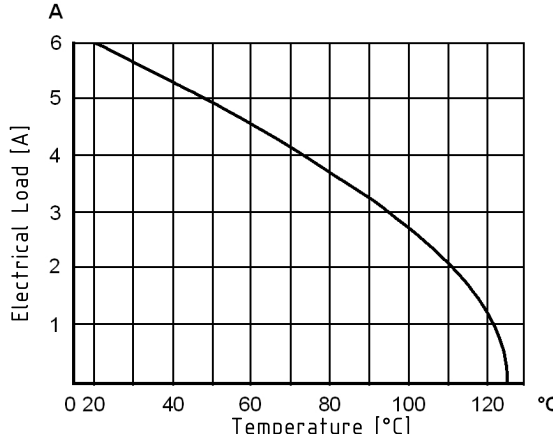


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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------|-----------------|----------------------|----------------------|------------------------------------|------------------------|-------------------------------------------------------------------|--------------|-------|--|--------------------|-------------|--|-----------------------|---------------------------|--|-----------------|-----------------------------------------|--|-------------------|------------------|--|------------------------|-------------|--|-----------|-------------|-------------------------------------------------------------------|----------|-------------|--|--------------------------------|------------------------------------|--|---------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------|---------|--|------------------|-----|--|----------|-----|--|--------------|----|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                               | 3                                                                 | 4 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6                                                   | 7                        | 8               |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| <div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>HARTING</div></div></div></div><div>DIN power male connector</div><div><div><div>RoHS</div><div>compliant</div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                 |                                                                   |   | <div>Soldering instructions</div> <div>The connectors should be protected when being soldered in a dip, flow or film soldering bath. Otherwise, they might become contaminated as a result of soldering operations or deformed as a result of overheating.</div> <div>(1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa.de). Cover the underside of the connector moulding and the adjacent parts of the pcb as well as the open sides of the connector. This will prevent heat and gases of the soldering apparatus from damaging the connector. About 140 + 5 mm of the tape should suffice.</div> <div>(2) For large series a jig is recommended. Its protective cover with a fast action mechanical locking device shields the connectors from gas and heat generated by the soldering apparatus. As an additional protection a foil can be used for covering the parts that should not be soldered.</div>                   |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| <div>General information</div> <table><tr><td>Design</td><td>IEC 60603-2</td><td>types: D, E male</td></tr><tr><td>No. of contacts</td><td>max. 48</td><td></td></tr><tr><td>Contact spacing</td><td>5,08 mm</td><td>(2,54 mm or 5,08 mm on termination side for types D and E angled)</td></tr><tr><td>Test voltage</td><td>1550V</td><td></td></tr><tr><td>Contact resistance</td><td>max. 15mOhm</td><td></td></tr><tr><td>Insulation resistance</td><td>min. 10<sup>12</sup>Ohm</td><td></td></tr><tr><td>Working current</td><td>max. 6 A at 20°C (see derating diagram)</td><td></td></tr><tr><td>Temperature range</td><td>-55°C ... +125°C</td><td></td></tr><tr><td>Termination technology</td><td>solder pins</td><td></td></tr><tr><td>Clearance</td><td>min. 3,0 mm</td><td>(min. 1,6 mm for 2,54 mm contact spacing at types D and E angled)</td></tr><tr><td>Creepage</td><td>min. 3,0 mm</td><td></td></tr><tr><td>Insertion and withdrawal force</td><td>32pol. max. 50N<br/>48pol. max. 75N</td><td></td></tr><tr><td>Mating cycles</td><td>- PL1 acc. to IEC 60 603-2 =&gt;<br/>- PL2 acc. to IEC 60 603-2 =&gt;<br/>- PL3 acc. to IEC 60 603-2 =&gt;</td><td>500 mating cycles<br/>400 mating cycles<br/>50 mating cycles</td></tr><tr><td>UL file</td><td>E102079</td><td></td></tr><tr><td>RoHS - compliant</td><td>Yes</td><td></td></tr><tr><td>Leadfree</td><td>Yes</td><td></td></tr><tr><td>Hot plugging</td><td>No</td><td></td></tr></table> |                                                                                                 |                                                                   |   | Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IEC 60603-2                                         | types: D, E male         | No. of contacts | max. 48              |                      | Contact spacing                    | 5,08 mm                | (2,54 mm or 5,08 mm on termination side for types D and E angled) | Test voltage | 1550V |  | Contact resistance | max. 15mOhm |  | Insulation resistance | min. 10 <sup>12</sup> Ohm |  | Working current | max. 6 A at 20°C (see derating diagram) |  | Temperature range | -55°C ... +125°C |  | Termination technology | solder pins |  | Clearance | min. 3,0 mm | (min. 1,6 mm for 2,54 mm contact spacing at types D and E angled) | Creepage | min. 3,0 mm |  | Insertion and withdrawal force | 32pol. max. 50N<br>48pol. max. 75N |  | Mating cycles | - PL1 acc. to IEC 60 603-2 =><br>- PL2 acc. to IEC 60 603-2 =><br>- PL3 acc. to IEC 60 603-2 => | 500 mating cycles<br>400 mating cycles<br>50 mating cycles | UL file | E102079 |  | RoHS - compliant | Yes |  | Leadfree | Yes |  | Hot plugging | No |  | <div>Cross section of solder pins</div> <div></div> |  |  |  |
| Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IEC 60603-2                                                                                     | types: D, E male                                                  |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| No. of contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | max. 48                                                                                         |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Contact spacing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5,08 mm                                                                                         | (2,54 mm or 5,08 mm on termination side for types D and E angled) |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Test voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1550V                                                                                           |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Contact resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | max. 15mOhm                                                                                     |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Insulation resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | min. 10 <sup>12</sup> Ohm                                                                       |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Working current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | max. 6 A at 20°C (see derating diagram)                                                         |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Temperature range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -55°C ... +125°C                                                                                |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Termination technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | solder pins                                                                                     |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Clearance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | min. 3,0 mm                                                                                     | (min. 1,6 mm for 2,54 mm contact spacing at types D and E angled) |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Creepage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | min. 3,0 mm                                                                                     |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Insertion and withdrawal force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32pol. max. 50N<br>48pol. max. 75N                                                              |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Mating cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | - PL1 acc. to IEC 60 603-2 =><br>- PL2 acc. to IEC 60 603-2 =><br>- PL3 acc. to IEC 60 603-2 => | 500 mating cycles<br>400 mating cycles<br>50 mating cycles        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| UL file                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E102079                                                                                         |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| RoHS - compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                                                                             |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Leadfree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes                                                                                             |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Hot plugging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                              |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| <div>Insulator material</div> <table><tr><td>Material</td><td>PBT (thermoplastics, glass fiber reinforcement 30%)</td></tr><tr><td>Colour</td><td>RAL 7032 (grey)</td></tr><tr><td>UL classification</td><td>UL 94-V0</td></tr><tr><td>Material group acc. to IEC 60664-1</td><td>IIIa (175 ≤ CTI &lt; 400)</td></tr><tr><td>NFF classification</td><td>I3, F4</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                 |                                                                   |   | Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PBT (thermoplastics, glass fiber reinforcement 30%) | Colour                   | RAL 7032 (grey) | UL classification    | UL 94-V0             | Material group acc. to IEC 60664-1 | IIIa (175 ≤ CTI < 400) | NFF classification                                                | I3, F4       |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PBT (thermoplastics, glass fiber reinforcement 30%)                                             |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Colour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | RAL 7032 (grey)                                                                                 |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| UL classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UL 94-V0                                                                                        |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Material group acc. to IEC 60664-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IIIa (175 ≤ CTI < 400)                                                                          |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| NFF classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I3, F4                                                                                          |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| <div>Contact material</div> <table><tr><td>Contact material</td><td>Copper alloy</td></tr><tr><td>Plating termination zone</td><td>Sn over Ni</td></tr><tr><td>Plating contact zone</td><td>Au over PdNi over Ni</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                 |                                                                   |   | Contact material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Copper alloy                                        | Plating termination zone | Sn over Ni      | Plating contact zone | Au over PdNi over Ni |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Contact material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Copper alloy                                                                                    |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Plating termination zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sn over Ni                                                                                      |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| Plating contact zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Au over PdNi over Ni                                                                            |                                                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| <div>Derating diagram acc. to IEC 60512-5 (Current carrying capacity)</div> <div><div><div>The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.</div><div>The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.</div><div>Control and test procedures according to DIN IEC 60512-5</div></div><div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                 |                                                                   |   | <div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>HARTING</div></div></div></div><div>All rights reserved</div><div>Department EC PD - DE</div></div><div>HARTING Electronics GmbH</div><div>D-32339 Espelkamp</div><div><div><div><div>Scale</div><div>1:1</div></div><div><div>Free size tol.</div></div></div><div><div><div>Created by</div><div>STORCK</div></div><div><div>Inspected by</div><div>LEHNERT</div></div><div><div>Standardisation</div><div>HOFFMANN</div></div><div><div>Date</div><div>2017-02-03</div></div><div><div>State</div><div>Final Release</div></div></div><div><div><div>Title</div><div>DIN power male connector</div></div><div><div>Type</div><div>DS</div></div><div><div>Number</div><div>09041000201</div></div><div><div>Doc-Key / ECM-Nr.</div><div>100580506/UGD/000/B<br/>500000114852</div></div><div><div>Rev.</div><div>B</div></div><div><div>Page</div><div>1/1</div></div></div></div></div> |                                                     |                          |                 |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                               | 3                                                                 | 4 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6                                                   | 7                        | 8               |                      |                      |                                    |                        |                                                                   |              |       |  |                    |             |  |                       |                           |  |                 |                                         |  |                   |                  |  |                        |             |  |           |             |                                                                   |          |             |  |                                |                                    |  |               |                                                                                                 |                                                            |         |         |  |                  |     |  |          |     |  |              |    |  |                                                                                                                                        |  |  |  |

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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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