# Accessories


| | | |
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| | Guard grilles, streamers | 362 |
| | Wall rings | 372 |
| | Connection lines | 374 |
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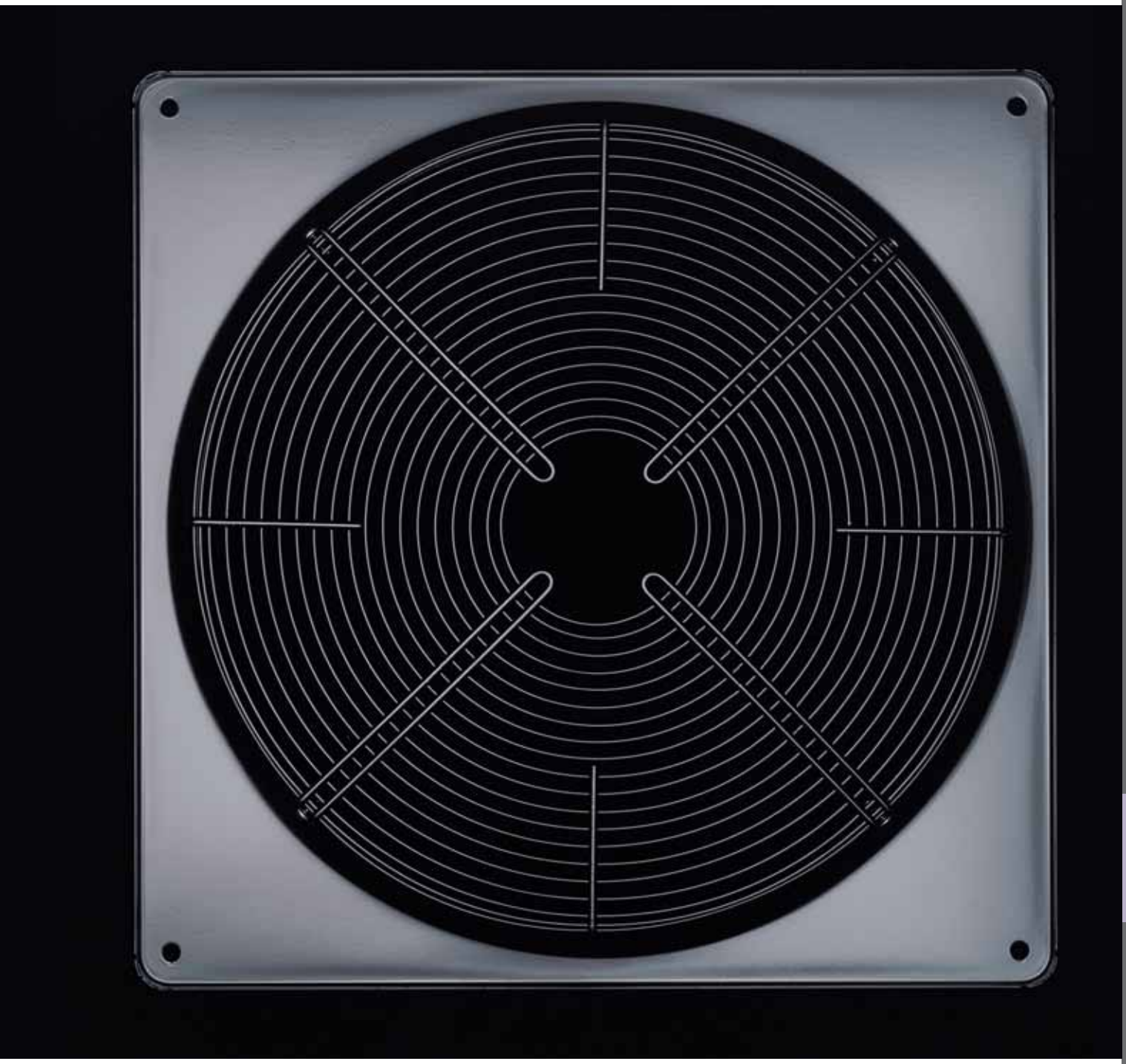
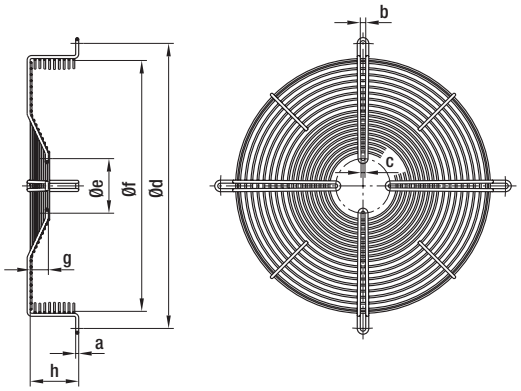


# Guard grille



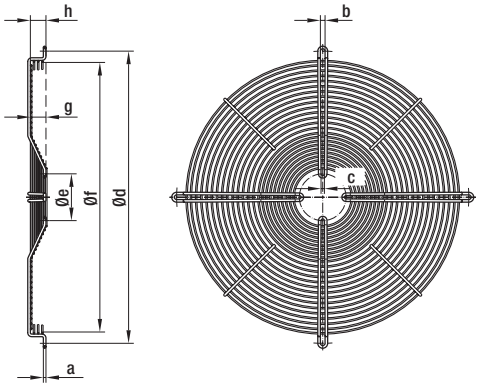

– **Material:** Steel, phosphated and coated in black plastic

**Basket guard grille for S series axial fans**

| Part no. | Size | AC motor | EC motor | a | b | c | d | e | f | g | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **19110-2-4039** | 200 | 068 | 074 (1) | 3.9 | 6.5 | 4.3 | 260.0 | 25.0 | 229.0 | — | 39.0 |
| **19111-2-4039** | 250 | 068 | 074 (1) | 3.9 | 6.5 | 4.5 | 300.0 | 25.0 | 271.0 | — | 38.0 |
| **19112-2-4039** | 250 | 068 | 074 (1) | 3.9 | 6.5 | 4.5 | 300.0 | 25.0 | 271.0 | — | 53.0 |
| **74251-2-4039** | 250 | — | 074 (2) | 5.0 | 6.2 | 4.2 | 300.0 | 125.0 | 265.0 | — | 38.0 |
| **64555-2-4039** | 300 | 068 | 074 (1) | 4.5 | 4.3 | 4.3 | 360.0 | 58.0 | 329.5 | — | 50.0 |
| **64556-2-4039** | 300 | 068 | — | 4.5 | 4.3 | 4.3 | 360.0 | 58.0 | 329.5 | 26.0 | 50.0 |
| **64557-2-4039** | 300 | 074 | — | 5.0 | 6.5 | 6.5 | 360.0 | 90.0 | 324.0 | — | 50.0 |
| **74301-2-4039** | 300 | — | 074 (2) | 5.0 | 4.2 | 4.2 | 360.0 | 125.0 | 331.0 | 10.0 | 60.0 |
| **64558-2-4039** | 315 | 068 | — | 4.5 | 6.5 | 4.5 | 375.0 | 58.0 | 336.5 | 30.0 | 80.0 |
| **74316-2-4039** | 315 | — | 074 (2) | 5.0 | 6.4 | 4.2 | 375.0 | 125.0 | 344.0 | 35.0 | 85.0 |
| **64559-2-4039** | 330 | 068 | — | 4.5 | 6.5 | 4.5 | 410.0 | 58.0 | 354.5 | 30.0 | 80.0 |
| **74331-2-4039** | 330 | — | 074 (2) | 5.0 | 6.4 | 4.2 | 410.0 | 125.0 | 370.0 | 35.0 | 85.0 |
| **64562-2-4039** | 350 | 068 | — | 5.0 | 6.5 | 4.5 | 422.0 | 58.0 | 374.0 | 30.0 | 80.0 |
| **74351-2-4039** | 350 | — | 074 (2) | 5.0 | 6.4 | 4.2 | 422.0 | 125.0 | 378.0 | 35.0 | 85.0 |
| **64379-2-4039** | 400 | 074 | — | 5.0 | 9.0 | 6.5 | 470.0 | 90.0 | 414.0 | 30.0 | 80.0 |
| **74370-2-4039** | 400 | — | 084 (2) | 5.0 | 9.0 | 6.5 | 470.0 | 164.0 | 420.0 | 30.0 | 80.0 |
| **64536-2-4039** | 420 | 074 | — | 5.0 | 9.0 | 6.5 | 502.0 | 90.0 | 452.0 | 30.0 | 80.0 |
| **64570-2-4039** | 420 | 094 | — | 5.0 | 9.0 | 6.5 | 502.0 | 115.0 | 452.0 | 30.0 | 60.0 |
| **64378-2-4039** | 450 | 074 | — | 5.0 | 9.0 | 6.5 | 522.0 | 90.0 | 476.0 | 30.0 | 80.0 |
| **74372-2-4039** | 450 | — | 084 (2) | 5.0 | 9.0 | 6.5 | 522.0 | 164.0 | 482.0 | 30.0 | 80.0 |
| **25943-2-4039** | 450 | 094 (3) | — | 6.0 | 9.0 | 6.5 | 522.0 | 115.0 | 472.0 | 17.5 | 67.5 |
| **25938-2-4039** | 450 | 094 (4) | — | 7.0 | 9.0 | 7.0 | 515.0 | 115.0 | 472.0 | 16.5 | 80.0 |

subject to alterations (1) DC-fed (2) Mains-powered (3) Blades made of plastic (4) Blades made of sheet steel

# Guard grille



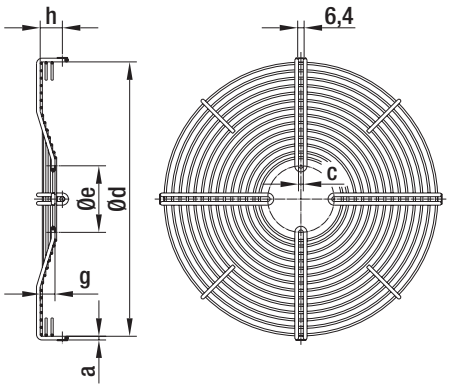

– **Material:** Steel, phosphated and coated in black plastic

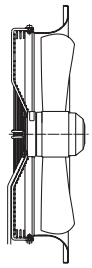
**Guard grille for S-series axial fans**

| Part no. | Size | AC motor | EC motor | a | b | c | d | e | f | g | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **18656-2-4039** | 200 | 068 | — | 3.9 | 4.6 | 4.6 | 245.0 | 58.0 | — | — | — |
| **62622-2-4039** | 200 | — | 074 (1) | 3.9 | 4.6 | 4.6 | 245.0 | 58.0 | — | — | — |
| **09414-2-4039** | 250 | 068 | — | 3.9 | 4.6 | 4.6 | 290.0 | 58.0 | — | — | — |
| **62623-2-4039** | 250 | — | 074 (1) | 3.9 | 4.6 | 4.6 | 290.0 | 58.0 | — | — | — |
| **74250-2-4039** | 250 | — | 074 (2) | 5.0 | 4.2 | 4.2 | 290.0 | 125.0 | — | — | — |
| **09415-2-4039** | 300 | 068 | — | 3.9 | 4.6 | 4.6 | 360.0 | 58.0 | — | — | — |
| **62624-2-4039** | 300 | — | 074 (1) | 3.9 | 4.6 | 4.6 | 360.0 | 58.0 | — | — | — |
| **72320-2-4039** | 300 | 068 | — | 4.5 | 4.3 | 4.3 | 360.0 | 58.0 | 329.0 | 26.0 | 26.0 |
| **64052-2-4039** | 300 | 074 | — | 5.0 | 6.5 | 6.5 | 360.0 | 90.0 | — | — | — |
| **74300-2-4039** | 300 | — | 074 (2) | 5.0 | 4.2 | 4.2 | 360.0 | 125.0 | — | — | — |
| **64491-2-4039** | 315 | 068 | — | 4.5 | 6.4 | 4.3 | 375.0 | 58.0 | 336.0 | 33.0 | 30.0 |
| **74315-2-4039** | 315 | — | 074 (2) | 5.0 | 6.4 | 4.2 | 375.0 | 125.0 | 344.0 | 35.0 | 35.0 |
| **64490-2-4039** | 330 | 068 | — | 4.5 | 6.4 | 4.3 | 410.0 | 58.0 | 371.0 | 30.0 | 30.0 |
| **74330-2-4039** | 330 | — | 074 (2) | 5.0 | 6.4 | 4.2 | 410.0 | 125.0 | 370.0 | 35.0 | 35.0 |
| **64563-2-4039** | 350 | 068 | — | 5.0 | 6.5 | 4.5 | 422.0 | 58.0 | 374.0 | 30.0 | 30.0 |
| **74350-2-4039** | 350 | — | 074 (2) | 5.0 | 6.4 | 4.2 | 422.0 | 125.0 | 378.0 | 35.0 | 35.0 |
| **64538-2-4039** | 400 / 420 | 074 | — | 5.0 | 9.0 | 6.5 | 502.0 | 90.0 | 452.0 | 30.0 | 30.0 |
| **74373-2-4039** | 400 | — | 084 (2) | 5.0 | 9.0 | 6.5 | 502.0 | 164.0 | 458.0 | 30.0 | 38.0 |
| **64539-2-4039** | 450 | 074 | — | 5.0 | 9.0 | 6.5 | 522.0 | 90.0 | 476.0 | 30.0 | 30.0 |
| **74374-2-4039** | 450 | — | 084 (2) | 5.0 | 9.0 | 6.5 | 522.0 | 164.0 | 482.0 | 30.0 | 38.0 |
| **25950-2-4039** | 450 | 094 | — | 7.0 | 9.0 | 7.0 | 560.0 | 115.0 | 517.0 | 16.5 | 38.0 |

subject to alterations (1) DC-powered (2) Mains-powered

# Guard grille



Typical installation

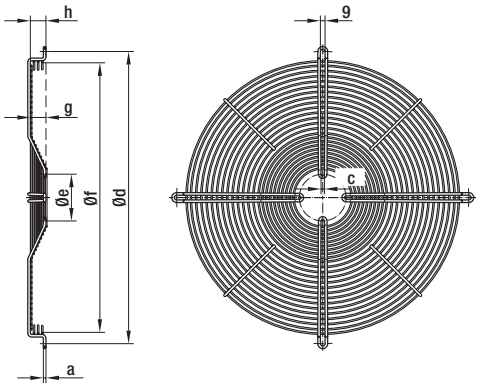
- **Material:** Steel, phosphated and coated in black plastic
- **Wall rings:** See p. 373
- **Comment:** Contact us for article numbers for complete fans.

**Guard grille for S series fans** (for nozzle-side mounting to square wall ring with long nozzle)

| Part no. | Size | AC motor | EC motor | a | c | d | e | g | h |
|---|---|---|---|---|---|---|---|---|---|
| **35803-2-4039** | 400 | 074 (4 poles) | — | 5.0 | 6.5 | 413.0 | 90.0 | — | 16.0 |
| **35804-2-4039** | 400 | 074 (6 poles) | — | 5.0 | 6.5 | 413.0 | 90.0 | 30.0 | 28.0 |
| **74377-2-4039** | 400 | — | 084 (2) | 5.0 | 6.5 | 413.0 | 164.0 | 30.0 | 48.0 |
| **35805-2-4039** | 450 | 074 (4 poles) | — | 5.0 | 6.5 | 466.0 | 90.0 | — | 25.0 |
| **35806-2-4039** | 450 | 074 (6 poles) | — | 5.0 | 6.5 | 466.0 | 90.0 | 20.0 | 30.0 |
| **74376-2-4039** | 450 | — | 084 (2) | 5.0 | 6.5 | 467.0 | 164.0 | 30.0 | 48.0 |
| **26510-2-4039** | 450 | 094 | — | 7.0 | 7.0 | 466.0 | 115.0 | 16.5 | 41.0 |

subject to alterations

(2) mains-powered




- **Material:** Steel, phosphated and coated in black plastic

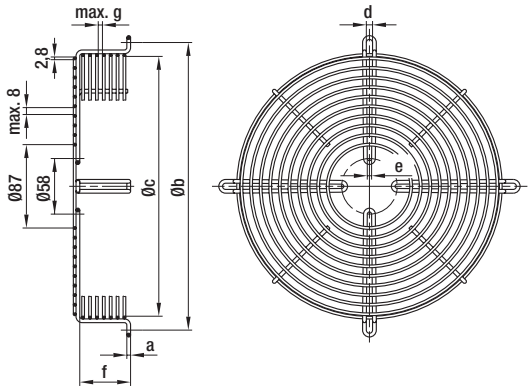
**Basket guard grille for S series fans** (for mounting to square wall ring with long nozzle)

| Part no. | Size | AC motor | EC motor | a | c | d | e | f | g | h |
|---|---|---|---|---|---|---|---|---|---|---|
| **63978-2-4039** | 420 / 450 | 074 | — | 5.0 | 6.5 | 562.0 | 90.0 | 526.0 | 30.0 | 30.0 |
| **74375-2-4039** | 450 | — | 084 (2) | 5.0 | 6.5 | 562.0 | 164.0 | 526.0 | 30.0 | 38.0 |
| **25950-2-4039** | 450 | 094 | — | 7.0 | 7.0 | 560.0 | 115.0 | 523.0 | 16.5 | 38.0 |

subject to alterations

(2) mains-powered

# Guard grille

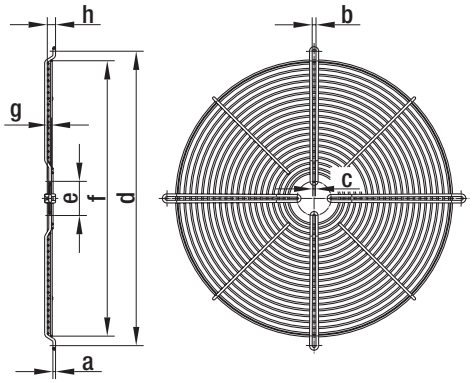



– **Material:** Steel, phosphated and coated in black plastic

**Basket guard grille for A series axial fans**

| Part no. | Size | a | b | c | d | e | f | g |
|---|---|---|---|---|---|---|---|---|
| **19110-2-4039** | 200 | 3.9 | 260.0 | 229.0 | 6.5 | 4.3 | 39.0 | 6.0 |
| **19111-2-4039** | 250 | 3.9 | 300.0 | 271.0 | 6.5 | 4.5 | 38.0 | 6.0 |
| **19112-2-4039** | 250 | 3.9 | 300.0 | 271.0 | 6.5 | 4.5 | 53.0 | 6.0 |
| **19113-2-4039** | 300 | 3.9 | 360.0 | 327.0 | 6.5 | 4.5 | 35.0 | 6.0 |
| **19114-2-4039** | 350 | 4.5 | 422.0 | 375.0 | 6.5 | 4.5 | 72.0 | 6.0 |
| **19115-2-4039** | 350 | 4.5 | 422.0 | 380.0 | 6.5 | 4.5 | 54.0 | 6.0 |
| **63406-2-4039** | 400 | 4.5 | 470.0 | 428.0 | 9.0 | 4.5 | 67.0 | 8.0 |

subject to alterations



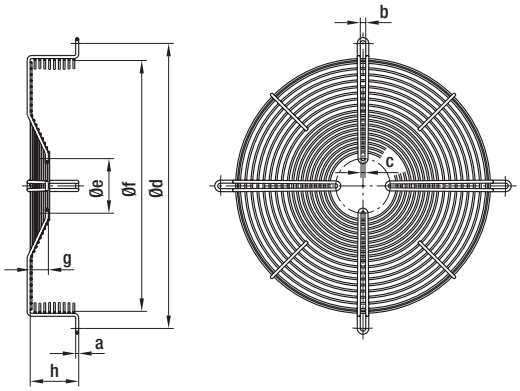

– **Material:** Steel, phosphated and coated in black plastic

**Guard grille for A series axial fans**

| Part no. | Size | a | b | c | d | e | f | g | h |
|---|---|---|---|---|---|---|---|---|---|
| **18656-2-4039** | 200 | 3.9 | 4.6 | 4.6 | 245.0 | 58.0 | 195.0 | — | — |
| **09414-2-4039** | 250 | 3.9 | 4.6 | 4.6 | 290.0 | 58.0 | 247.0 | — | — |
| **09415-2-4039** | 300 | 3.9 | 4.6 | 4.6 | 360.0 | 58.0 | 300.0 | — | — |
| **19699-2-4039** | 315 | 4.5 | 6.3 | 4.3 | 375.0 | 58.0 | 327.0 | — | 3.5 |
| **69667-2-4039** | 350 | 4.5 | 6.5 | 4.5 | 422.0 | 58.0 | 387.0 | — | 6.5 |
| **19117-2-4039** | 400 | 4.5 | 6.3 | 4.3 | 500.0 | 58.0 | 467.5 | 7.0 | 14.0 |

subject to alterations

# Guard grille

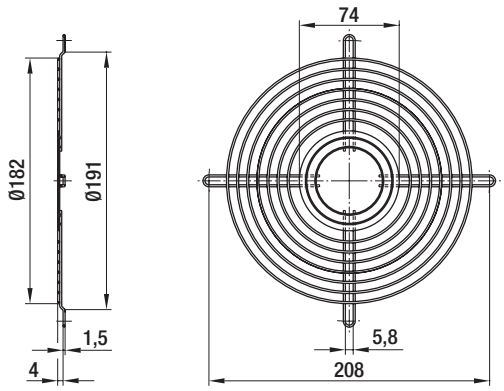



– **Material:** Steel, phosphated and coated in black plastic

**Basket guard grille for K series axial fans**

| Part no. | Size | a | b | c | d | e | f | g | h |
|---|---|---|---|---|---|---|---|---|---|
| **66024-2-4039** | 250 | 4.5 | 4.3 | 4.3 | 300.0 | 58.0 | 271.0 | 26.0 | 60.0 |
| **77709-2-4039** | 300 | 3.9 | 4.5 | 4.5 | 360.0 | 58.0 | 340.0 | 26.0 | 26.0 |
| **19115-2-4039** | 350 | 4.5 | 6.5 | 4.5 | 422.0 | 58.0 | 380.0 | — | 54.0 |
| **62229-2-4039** | 360 | 4.5 | 6.3 | 4.3 | 400.0 | 58.0 | 357.0 | 12.0 | 16.0 |
| **64378-2-4039** | 450 | 5.0 | 9.0 | 6.5 | 522.0 | 90.0 | 476.0 | 30.0 | 80.0 |
| **64539-2-4039** | 450 | 5.0 | 9.0 | 6.5 | 522.0 | 90.0 | 476.0 | 30.0 | 30.0 |

subject to alterations



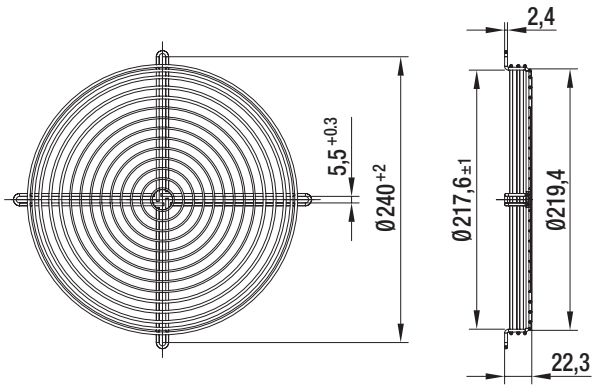

– **Material:** Steel, galvanized and blue chromated (alternative: nickel-plated)

**Guard grille for diagonal fan**

| Part no. | Size |
|---|---|
| **26388-2-4039** | 180 |

subject to alterations

# Guard grille

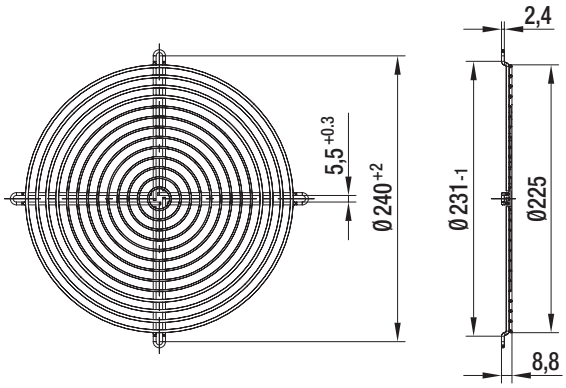



– **Material:** Steel, plastic-coated (silver-metallic gloss)

**Guard grille for diagonal fan** (inlet side mounting)

| Part no. | Size |
|---|---|
| **35139-2-4039** | 208 |

subject to alterations



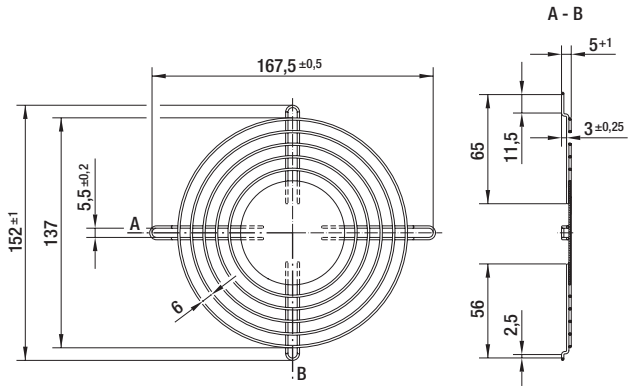

– **Material:** Steel, plastic-coated (silver-metallic gloss)

**Guard grille for diagonal fan** (outlet side mounting)

| Part no. | Size |
|---|---|
| **35138-2-4039** | 208 |

subject to alterations

# Guard grille

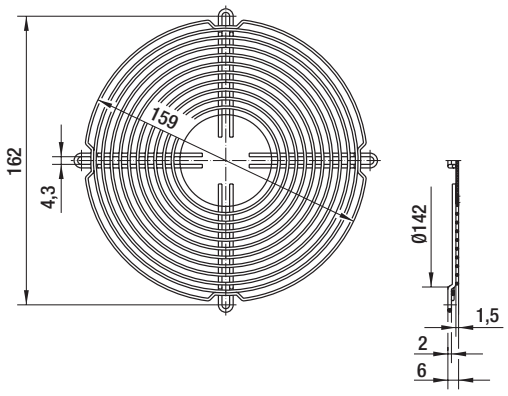



– **Material:** Steel, galvanized and blue passivated

**Guard grille for diagonal fan**

| Part no. | Size |
|---|---|
| **51019-2-4039** | 130 |

subject to alterations



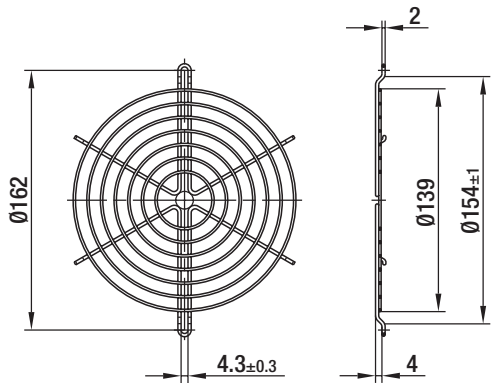

– **Material:** Steel, galvanized and blue chromated (alternative: nickel-plated)

**Guard grille for axial fan** (according to EN 294)

| Part no. | Size |
|---|---|
| **50952-2-4039** | 130 / 142 / 143 |

subject to alterations

# Guard grille

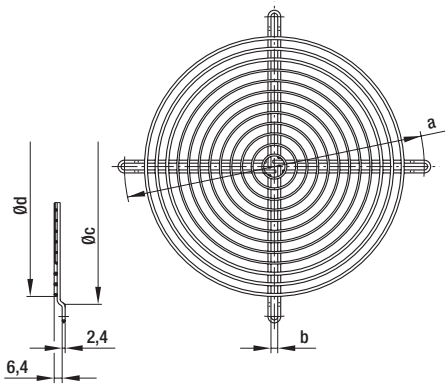



– **Material:** Steel, plastic-coated (silver-metallic gloss)

**Guard grille for diagonal fan**

| Part no. | Size |
|---|---|
| **03749-2-4039** | 142 |
| **04013-2-4039** | 143 |

subject to alterations



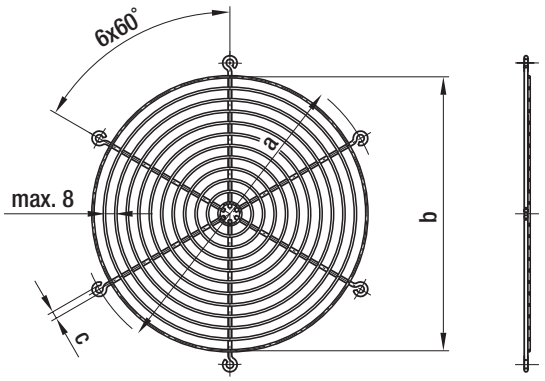

– **Material:** Steel, plastic-coated (silver-metallic gloss)

**Guard grille for diagonal fan**

| Part no. | Size | a | b | c | d |
|---|---|---|---|---|---|
| **78128-2-4039** | 200 | 240.0 | 5.4 | 221.5 | 208.0 |
| **09418-2-4039** | 250 | 295.0 | 6.4 | 278.5 | 270.0 |

subject to alterations

# Guard grille



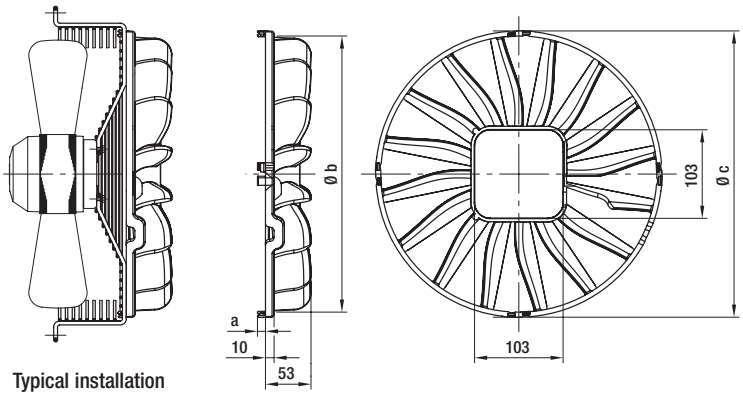

– **Material:** Steel, phosphated and coated in black plastic

**Guard grilles** (e.g. for axial fans)

| Part no. | Size | a | b | c |
|---|---|---|---|---|
| **09513-2-4039** | 200 | 250.0 | 227.0 | 6.0 |
| **09518-2-4039** | 250 | 295.0 | 265.0 | 7.0 |
| **09532-2-4039** | 300 | 380.0 | 323.0 | 9.0 |

subject to alterations

# Streamers




Typical installation

– **Material:** Plastic PA6, 30GV, black (in accordance with UL 94 HB)

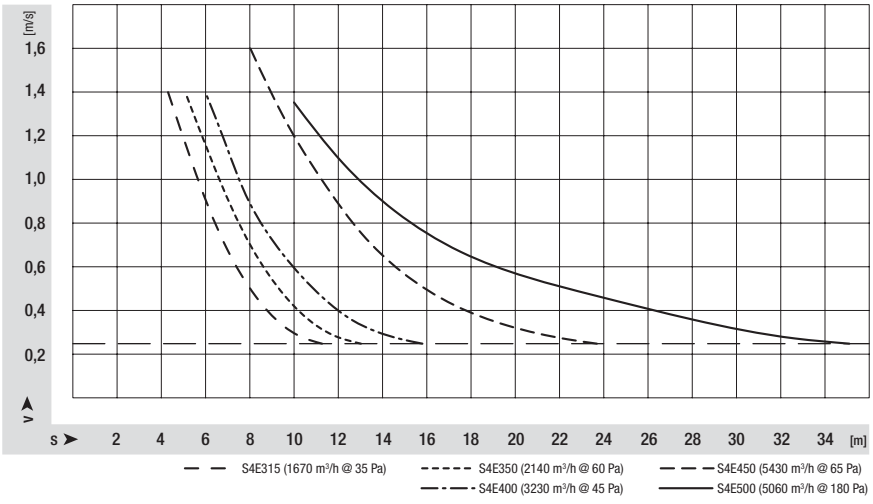
## Streamers for axial fans

| Part no. | Size | a | b | c | Standard types (1) | |
|---|---|---|---|---|---|---|
| **29550-2-2955** | 315 | 10.0 | 321.0 | 333.0 | S4D 315-AP10 -30<br>S4E 315-AP18 -30<br>S6E 315-AP02 -30 | |
| **29551-2-2955** | 350 | 10.0 | 361.0 | 373.0 | S4D 350-BR06 -30<br>S4D 350-AR06 -30<br>S4E 350-BR06 -30 | S4E 350-AR06 -30<br>S6E 350-BR08 -30<br>S6E 350-AR08 -30 |
| **29552-2-2955** | 400 | 10.0 | 401.0 | 413.0 | S4D 400-AP12 -03<br>S4E 400-AP02 -03<br>S6E 400-AP10 -30 | |
| **29553-2-2955** | 450 | 12.0 | 466.0 | 478.0 | S4E 450-GA09 -01 | |
| **29554-2-2955** | 500 | 13.0 | 496.0 | 508.0 | S4E 500-CY09 -01<br>S4E 500-AY09 -01<br>S6E 500-CS05 -01 | S6E 500-AS05 -01<br>S6E 500-CT05 -01<br>S6E 500-AT05 -01 |

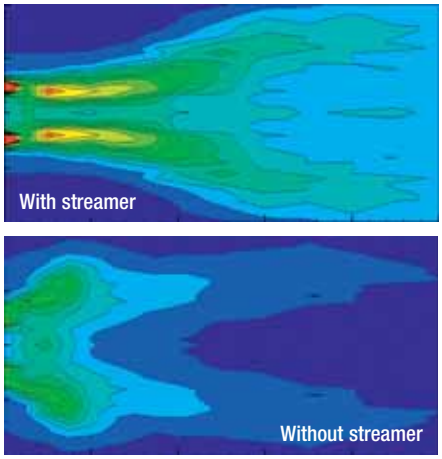
subject to alterations

(1) Mounting options for other axial fans respectively basket guard grilles upon request.

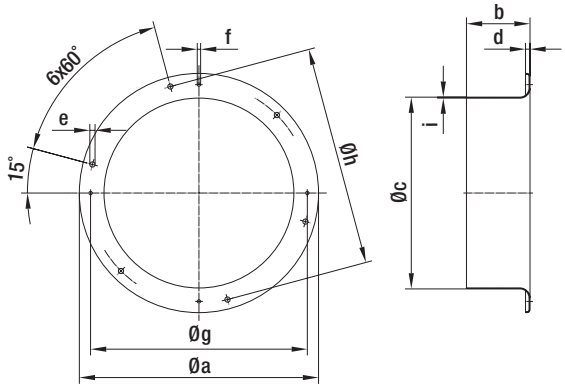
## **Thrust ranges** (measured in a typical heat exchanger)




## Comparison



# Wall rings



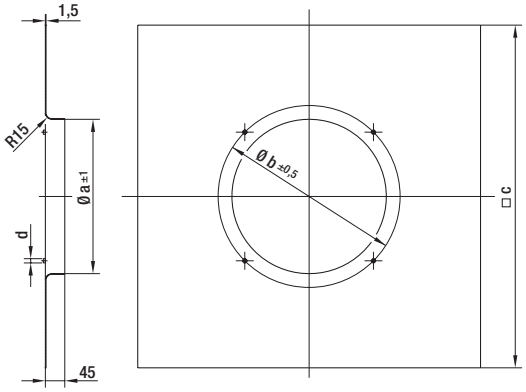

– **Material:** Sheet steel, pre-galvanised and coated in black plastic

**Wall rings with long nozzle for axial fans**

| Part no. | Size | a | b | c | d | e | f | g | h | i |
|---|---|---|---|---|---|---|---|---|---|---|
| **18912-2-4037** | 200 | 280.0 | 80.0 | 202.5 | 5.0 | 7.0 | 4.5 | 245.0 | 250.0 | 1.25 |
| **64009-2-4037** | 250 (S series) | 320.0 | 86.5 | 259.5 | 6.0 | 7.0 | 4.5 | 290.0 | 295.0 | 1.25 |
| **18910-2-4037** | 250 (A series) | 320.0 | 85.0 | 256.5 | 6.0 | 7.0 | 4.5 | 290.0 | 295.0 | 1.25 |
| **18908-2-4037** | 300 | 397.0 | 80.0 | 326.0 | 11.0 | 9.0 | M4 | 360.0 | 380.0 | 1.50 |
| **18902-2-4037** | 315 | 397.0 | 74.0 | 347.0 | 11.0 | 9.0 | M6 | 374.0 | 380.0 | 1.50 |
| **18892-2-4037** | 330 | 440.0 | 80.0 | 369.0 | 11.0 | 9.0 | M6 | 408.0 | 404.0 | 1.50 |
| **18900-2-4037** | 350 | 460.0 | 80.0 | 390.0 | 12.0 | 9.0 | M6 | 422.0 | 442.0 | 1.50 |
| **18930-2-4037** | 400 | 528.0 | 96.0 | 419.0 | 12.0 | 9.0 | M8 | 500.0 | 504.0 | 1.50 |
| **18929-2-4037** | 420 | 544.0 | 96.0 | 447.0 | 12.0 | 9.0 | M8 | 500.0 | 520.0 | 1.50 |
| **64000-2-4037** | 450 (1) | 607.0 | 100.0 | 465.0 | 14.0 | 11.0 | M8 | 560.0 | 578.0 | 1.50 |

subject to alterations

(1) For mounting the axial fan, use guard grille 63978-2-4039




– **Material:** Sheet steel, pre-galvanised

**Square wall rings with short nozzle for S series axial fans**

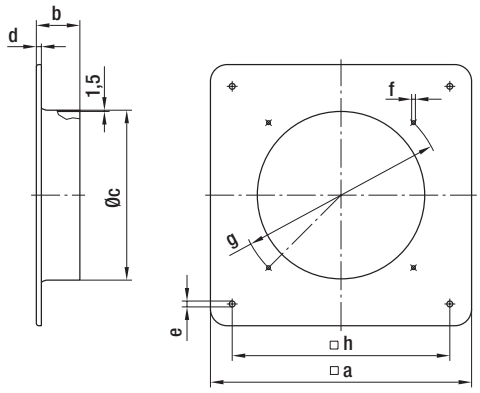
| Part no. | Size | a | b | c | d |
|---|---|---|---|---|---|
| **35222-2-4037** | 350 | 358.0 | 422.0 | 795.0 | M6 |
| **35223-2-4037** | 400 | 400.0 | 468.0 | 840.0 | M8 |
| **35224-2-4037** | 420 | 426.0 | 500.0 | 850.0 | M8 |
| **35225-2-4037** | 450 | 452.0 | 515.0 | 850.0 | M8 |

subject to alterations



ebmpapst

# Wall rings



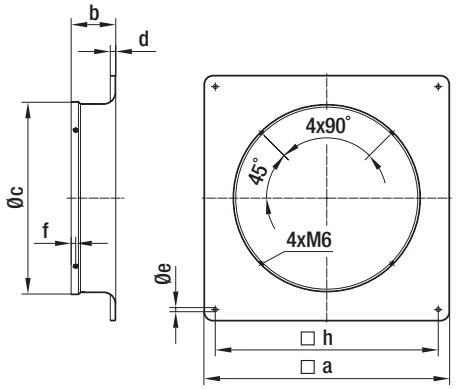

– **Material:** Sheet steel, pre-galvanised and coated in black plastic

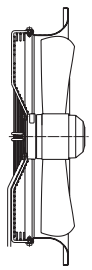
**Square wall rings with long nozzle for axial fans**

| Part no. | Size | a | b | c | d | e | f | g | h |
|---|---|---|---|---|---|---|---|---|---|
| **18918-2-4037** | 200 | 312.0 | 52.0 | 203.0 | 6.0 | 7.0 | 4.5 | 245.0 | 260.0 |
| **37701-2-4037** | 250 (S series) | 370.0 | 56.0 | 260.0 | 6.0 | 7.0 | 4.5 | 290.0 | 320.0 |
| **18933-2-4037** | 250 (A series) | 370.0 | 55.0 | 257.0 | 6.0 | 7.0 | 4.5 | 290.0 | 320.0 |
| **18924-2-4037** | 300 | 430.0 | 80.0 | 326.0 | 11.0 | 9.0 | 4.5 | 360.0 | 380.0 |
| **18903-2-4037** | 315 | 430.0 | 72.5 | 345.0 | 11.0 | 9.0 | M6 | 375.0 | 380.0 |
| **18901-2-4037** | 350 | 485.0 | 80.0 | 388.0 | 12.0 | 9.0 | M6 | 422.0 | 435.0 |
| **64005-2-4037** | 400 | 540.0 | 98.0 | 417.0 | 12.0 | 9.0 | M8 | 500.0 | 490.0 |
| **64006-2-4037** | 420 (1) | 576.0 | 94.0 | 439.0 | 14.0 | 11.0 | M8 | 560.0 | 535.0 |
| **64007-2-4037** | 450 (1) | 576.0 | 100.0 | 465.0 | 14.0 | 11.0 | M8 | 560.0 | 535.0 |

subject to alterations

(1) For mounting the axial fan, use guard grille 63978-2-4039



Typical installation

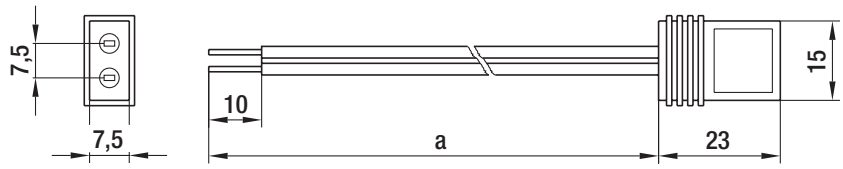
– **Material:** Sheet steel, pre-galvanised and coated in black plastic
– **Guard grilles:** See p. 364
– **Comment:** Contact us for article numbers for complete fans.

**Square wall rings with long nozzle for S series axial fans** (for nozzle-side mounting)

| Part no. | Size | a | b | c | d | e | f | h |
|---|---|---|---|---|---|---|---|---|
| **64020-2-4037** | 400 | 540.0 | 98.0 | 409.0 | 12.0 | 9.0 | 10.0 | 490.0 |
| **64001-2-4037** | 450 | 576.0 | 100.0 | 463.0 | 14.0 | 11.0 | 10.0 | 535.0 |

subject to alterations

# Connection leads

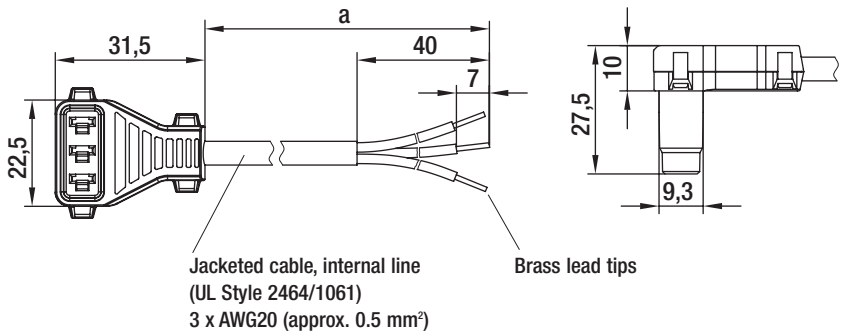



– **Plug terminal:** 2.8 x 0.5 mm

**Connection lines for axial compact fan** (with plug terminal)

| Part no. | Size | a |
|---|---|---|
| **01434-4-6711** | 142 / 143 | 610 |
| **01477-4-6711** | 142 / 143 | 1000 |
| **01505-4-6711** | 142 / 143 | 2000 |

subject to alterations




– **Design:** Cable conforms to UL standards, sealed plug

**Connection lines for energy-saving motors (ESM)**

| Part no. | a |
|---|---|
| **10637-4-1040** | 450 |
| **10640-4-1040** | 600 |
| **10638-4-1040** | 1500 |
| **10639-4-1040** | 32000 |

subject to alterations

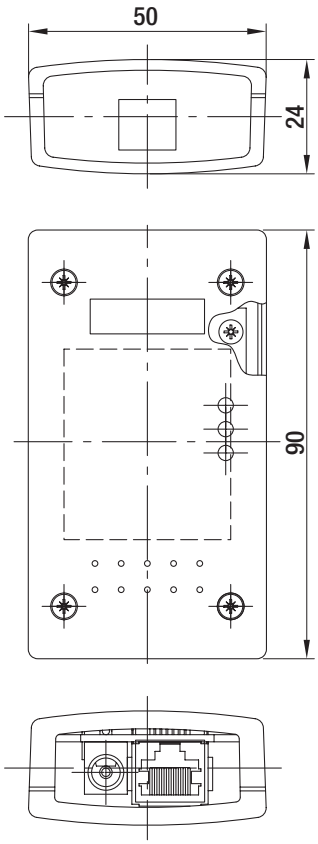
# Programming device

for energy-saving motors (ESM)

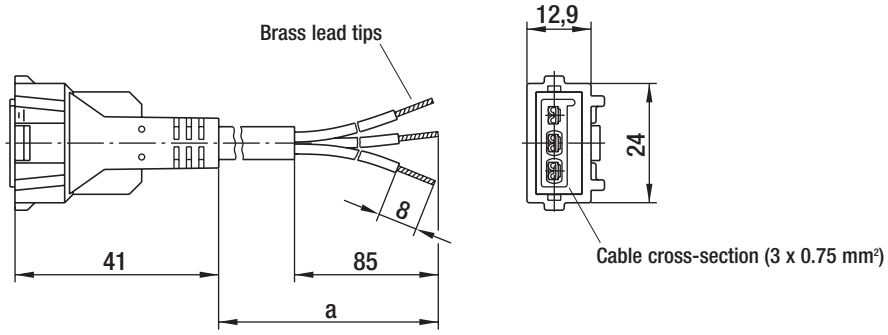
- **Description:** Programming unit for setting 2 possible speeds via the USB port of a PC.
- **System requirements:** Windows 2000 / XP
- **Delivery scope:** Programming unit
  Supply plug unit
  USB connection line
  Motor connecting cable
  Programming software
- **Type of protection:** IP 20
- **Protection class:** III

| Nominal data | Perm. amb. temp. | Perm. storage temp. |
|---|---|---|
| **Type** | **°C** | **°C** |
| **CBC 000-AC02 -02** | 0 to +45 | -20 to +65 |

subject to alterations



# Connection leads

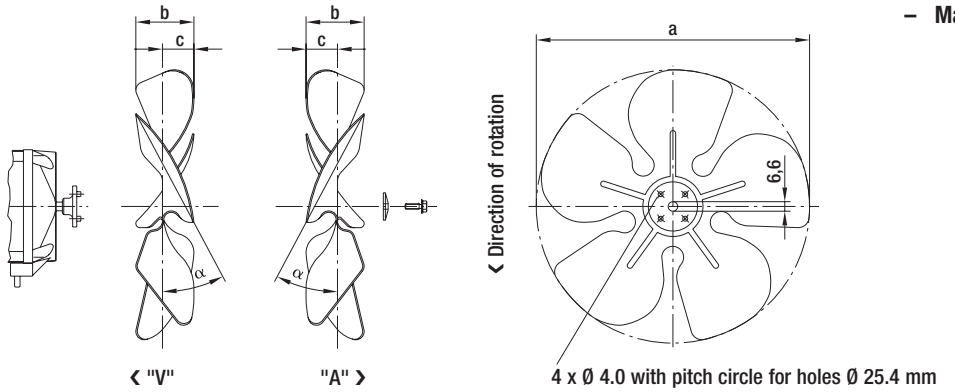



**Connection lines for Q-motors** (plug terminal design)

| Part no. | a |
|---|---|
| **79572-4-6711** | 420 |
| **79573-4-6711** | 970 |
| **79574-4-6711** | 1470 |
| **79575-4-6711** | 1970 |
| **79576-4-6711** | 2470 |
| **79577-4-6711** | 2970 |
| **79578-4-6711** | 3470 |
| **79579-4-6711** | 3970 |
| **79580-4-6711** | 4470 |
| **62402-4-6711** | 4970 |

subject to alterations

# Axial impellers




4 x Ø 4.0 with pitch circle for holes Ø 25.4 mm

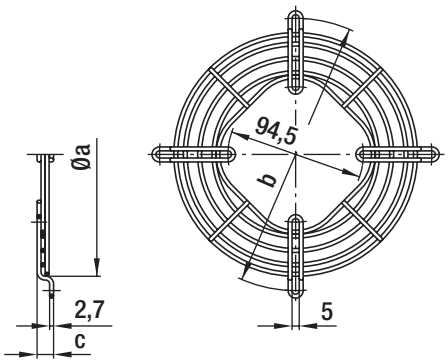
– **Material:** Sheet aluminium

**Axial impeller for Q-motors and energy-saving motors (ESM)**

| Part no. for direction of air flow "V" | Part no. for direction of air flow "A" | Blade angle α | a | b | c |
|---|---|---|---|---|---|
| **73801-2-3634** | **73761-2-3634** | 22° ± 1°30' | 154.0 | 27.5 | 14.0 |
| **73802-2-3634** | **73762-2-3634** | 28° ± 1°30' | 154.0 | 32.0 | 16.0 |
| **73803-2-3634** | **73763-2-3634** | 34° ± 1°30' | 154.0 | 37.0 | 18.0 |
| **73804-2-3634** | **73764-2-3634** | 22° ± 1°30' | 172.0 | 31.0 | 14.5 |
| **73805-2-3634** | **73765-2-3634** | 28° ± 1°30' | 172.0 | 36.0 | 17.0 |
| **73806-2-3634** | **73766-2-3634** | 34° ± 1°30' | 172.0 | 42.0 | 21.0 |
| **73807-2-3634** | **73767-2-3634** | 22° ± 1°30' | 200.0 | 32.0 | 15.5 |
| **73808-2-3634** | **73768-2-3634** | 28° ± 1°30' | 200.0 | 37.5 | 18.0 |
| **73809-2-3634** | **73769-2-3634** | 34° ± 1°30' | 200.0 | 45.0 | 22.0 |
| **73810-2-3634** | **73770-2-3634** | 22° ± 1°30' | 230.0 | 35.0 | 17.5 |
| **73811-2-3634** | **73771-2-3634** | 28° ± 1°30' | 230.0 | 43.0 | 21.5 |
| **73812-2-3634** | **73772-2-3634** | 34° ± 1°30' | 230.0 | 50.0 | 24.0 |
| **73813-2-3634** | **73773-2-3634** | 22° ± 1°30' | 254.0 | 37.0 | 19.0 |
| **73814-2-3634** | **73774-2-3634** | 28° ± 1°30' | 254.0 | 45.0 | 23.5 |
| **73815-2-3634** | **73775-2-3634** | 34° ± 1°30' | 254.0 | 52.0 | 26.0 |
| **73816-2-3634** | **73776-2-3634** | 22° ± 1°30' | 300.0 | 43.0 | 21.5 |
| **73817-2-3634** | **73777-2-3634** | 28° ± 1°30' | 300.0 | 53.5 | 26.5 |
| **73818-2-3634** | **73778-2-3634** | 34° ± 1°30' | 300.0 | 61.0 | 30.0 |

subject to alterations

# Guard grille



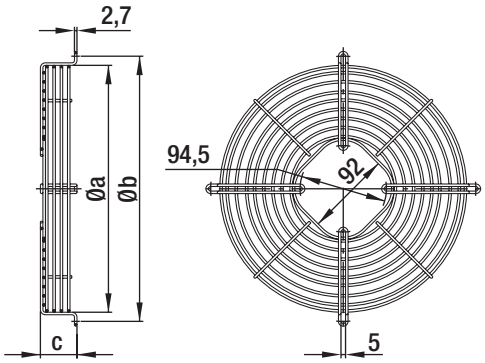

– **Material:** Steel, galvanized and blue chromated

**Guard grille for Q-motors and energy-saving motors (ESM)**

| Part no. | Size | Max. blade angle α at "V" | Max. blade angle α at "A" | a | b | c |
|---|---|---|---|---|---|---|
| **50967-2-4039** | 154 | 34° | 34° | 170.0 | 190.0 | 11.5 |
| **50968-2-4039** | 172 | 34° | 34° | 188.0 | 208.0 | 11.5 |
| **50969-2-4039** | 200 | 34° | 28° | 214.0 | 236.0 | 11.5 |
| **50970-2-4039** | 230 | 28° | 28° | 246.0 | 266.0 | 17.5 |
| **50971-2-4039** | 254 | 28° | 28° | 270.0 | 290.0 | 17.5 |
| **50972-2-4039** (1) | 300 | — | 22° | 324.0 | 344.0 | 17.5 |

subject to alterations

(1) When used with M4Q045-EF, blade angles up to 34° are possible




– **Material:** Steel, galvanized and blue chromated

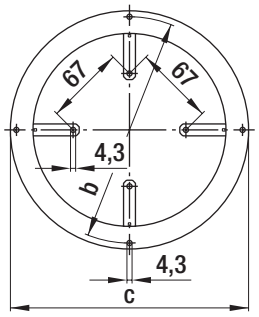
**Basket guard grille for Q-motors and energy-saving motors (ESM)**

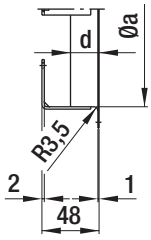
| Part no. | Size | Max. blade angle α at "V" | Max. blade angle α at "A" | a | b | c |
|---|---|---|---|---|---|---|
| **66309-2-4039** | 172 | 34° | 34° | 188.0 | 208.0 | 37.5 |
| **66310-2-4039** | 200 | 34° | 28° | 212.0 | 236.0 | 37.5 |
| **66311-2-4039** | 230 | 28° | 28° | 246.0 | 266.0 | 40.0 |
| **66312-2-4039** | 254 | 28° | 28° | 270.0 | 290.0 | 40.0 |
| **66313-2-4039** (1) | 300 | — | 22° | 324.0 | 344.0 | 46.8 |

subject to alterations

(1) When used with M4Q045-EF, blade angles up to 34° are possible

# Wall rings




‹ "V"

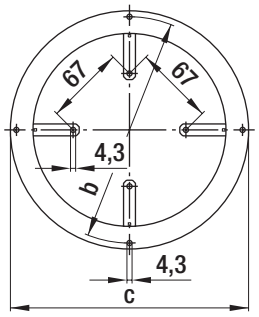
– **Material:** Sheet steel, coated in grey plastic

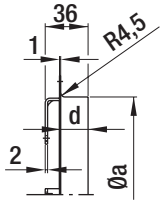
**Wall rings for Q-motors and energy-saving motors (ESM), direction of air flow "V"**

| Part no. | Size | Max. blade angle α | a | b | c | d |
|---|---|---|---|---|---|---|
| **52542-2-4037** | 154 | 34° | 164.0 | 190.0 | 200.0 | 24.0 |
| **52543-2-4037** | 172 | 34° | 182.0 | 208.0 | 223.0 | 24.0 |
| **52544-2-4037** | 200 | 34° | 210.0 | 236.0 | 246.0 | 24.0 |
| **52545-2-4037** | 230 | 28° | 240.0 | 266.0 | 276.0 | 24.0 |
| **52546-2-4037** | 254 | 28° | 264.0 | 290.0 | 300.0 | 24.0 |
| **52547-2-4037** (1) | 300 | 22° | 308.0 | 344.0 | 356.0 | 24.0 |

subject to alterations

(1) When used with M4Q045-EF, blade angles up to 34° are possible




"A" ›

– **Material:** Sheet steel, coated in grey plastic

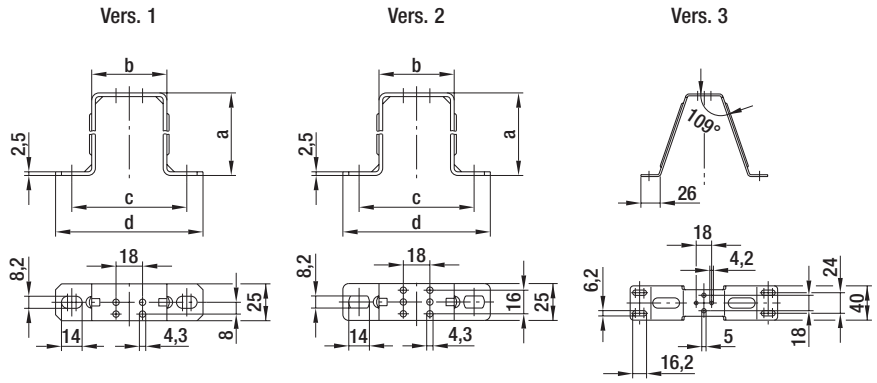
**Wall rings for Q-motors and energy-saving motors (ESM), direction of air flow "A"**

| Part no. | Size | Max. blade angle α | a | b | c | d |
|---|---|---|---|---|---|---|
| **52550-2-4037** | 154 | 34° | 162.0 | 190.0 | 200.0 | 24.0 |
| **52551-2-4037** | 172 | 34° | 180.0 | 208.0 | 223.0 | 24.0 |
| **52552-2-4037** | 200 | 28° | 208.0 | 236.0 | 246.0 | 24.0 |
| **52553-2-4037** | 230 | 28° | 238.0 | 266.0 | 276.0 | 24.0 |
| **52554-2-4037** | 254 | 28° | 262.0 | 290.0 | 300.0 | 24.0 |
| **52555-2-4037** (1) | 300 | 22° | 308.0 | 344.0 | 356.0 | 24.0 |

subject to alterations

(1) When used with M4Q045-EF, blade angles up to 34° are possible

# Mounting bracket

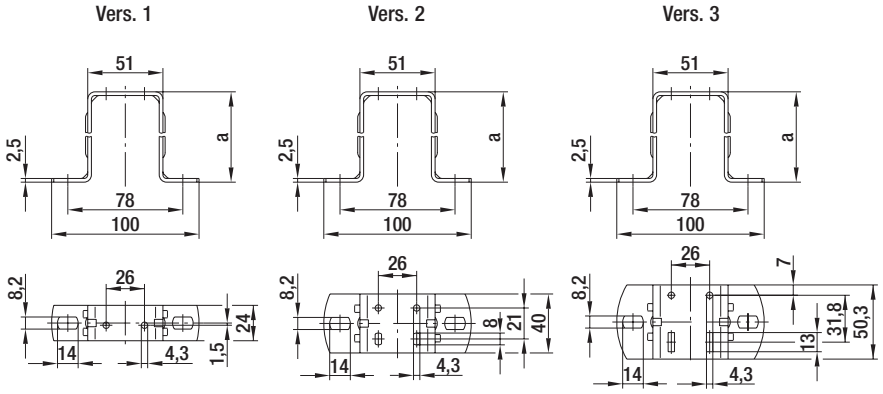



– **Material:** Sheet steel, galvanized and blue chromated

**Mounting bracket for Q-motors** (foot measure 18 mm)

| Part no. | Size | Vers. | a | b | c | d | Suitable Q-motor |
|---|---|---|---|---|---|---|---|
| **51025-2-4053** | 172 | 1 | 56.0 | 51.0 | 78.0 | 100.0 | M4Q045-BD01-** |
| **51028-2-4053** | 200 | 1 | 67.0 | 51.0 | 78.0 | 100.0 | M4Q045-BD01-**, M4Q045-CA01-** |
| **51026-2-4053** | 230 | 1 | 74.5 | 51.0 | 78.0 | 100.0 | M4Q045-CA01-**, M4Q045-CA03-** |
| **51027-2-4053** | 254 | 2 | 85.5 | 51.0 | 78.0 | 100.0 | M4Q045-CA03-**, M4Q045-CF01-**, M4Q045-DA01-** |
| **51014-2-4053** | 300 | 3 | 112.0 | — | 150.0 | 172.0 | M4Q045-DA01-**, M4Q045-DA05-**, M4Q045-EA01-**, M4Q045-EF01-** |

subject to alterations




– **Material:** Sheet steel, galvanized and blue chromated

**Mounting bracket for Q-motors** (foot measure 26 mm)

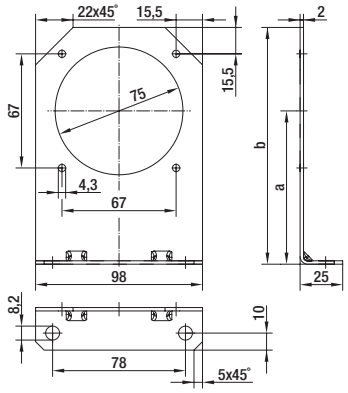
| Part no. | Size | Vers. | a | Suitable Q-motor |
|---|---|---|---|---|
| **71881-2-4053** | 154 | 1 | 39.0 | M4Q045-BD01-** |
| **71882-2-4053** | 172 | 1 | 52.0 | M4Q045-BD01-** |
| **71883-2-4053** | 200 | 1 | 72.0 | M4Q045-BD01-**, M4Q045-CA01-** |
| | 230 | 1 | 72.0 | M4Q045-CA01-**, M4Q045-CA03-** |
| **71884-2-4053** | 254 | 1 | 84.0 | M4Q045-CA03-**, M4Q045-CF01-** |
| **71885-2-4053** | 254 | 2 | 84.0 | M4Q045-DA01-** |
| **71886-2-4053** | 300 | 2 | 109.0 | M4Q045-DA01-**, M4Q045-DA05-** |
| **71887-2-4053** | 300 | 3 | 109.0 | M4Q045-EA01-**, M4Q045-EF01-** |

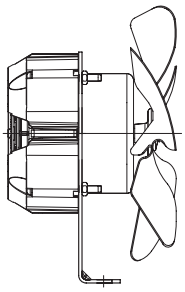
subject to alterations



ebmpapst

# Mounting angles, terminal boxes



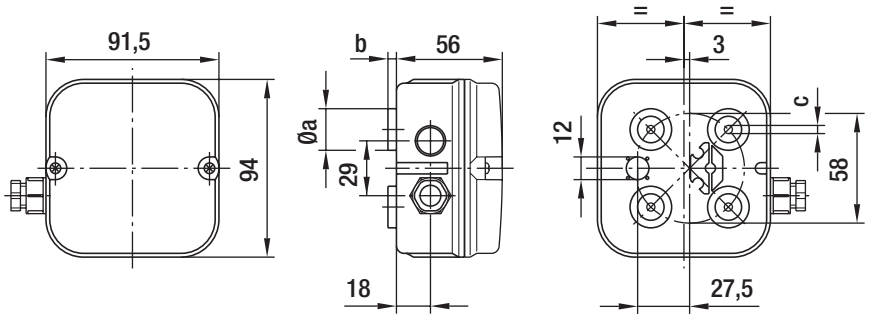



– **Material:** Sheet steel, hot-galvanised

**Mounting angle for energy-saving motors (ESM)**

| Part no. | Size | Max. blade angle α at "V" | Max. blade angle α at "A" | a | b |
|---|---|---|---|---|---|
| **63500-2-4060** | 154 / 172 | 34° | 34° | 103.0 | 152.0 |
| **63501-2-4060** | 200 | 34° | 28° | 123.0 | 172.0 |
| **63502-2-4060** | 230 / 254 | 28° | 28° | 135.0 | 184.0 |

subject to alterations



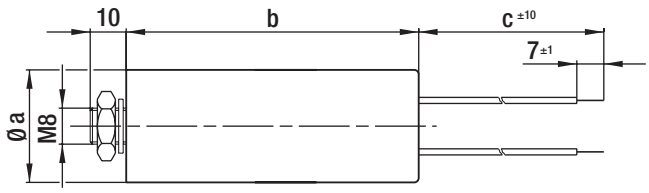

– **Material:** ABS
– **Description:** Two-piece terminal box for AC motors of size 068 or 074, terminal strip with 4- or 7-pole.
Suitable for installation of capacitor with 10 µF max.
– **Type of protection:** IP 54

**Terminal box**

| Part no. | AC motor | a | b | c |
|---|---|---|---|---|
| **64442-1-7612** | 068 (4 poles) | 22.0 | 5.0 | 4.3 |
| **64444-1-7612** | 068 (7 poles) | 22.0 | 5.0 | 4.3 |
| **64443-1-7612** | 074 (4 poles) | 12x14.5 | 10.5 | 5.5 |
| **64445-1-7612** | 074 (7 poles) | 12x14.5 | 10.5 | 5.5 |

subject to alterations

# Capacitors



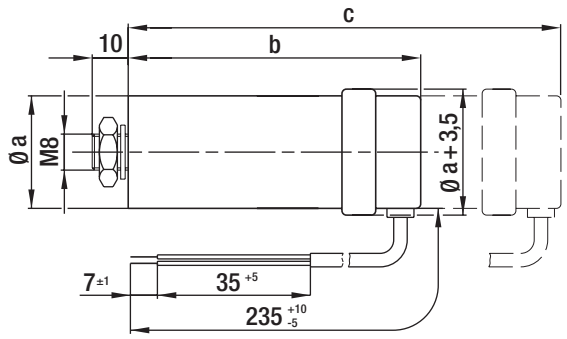

- **Material:** Housing made of thermoplastic resin
- **Connection line:** Multi-lead PVC cable 0.5 mm² with brass lead tips
- **Approval:** VDE according to DIN EN 60252 (VDE 0560/8)
- **Calculated life time:**
  400 V; -25 to +85°C; 30,000 hrs; class A
  450 V; -25 to +85°C; 10,000 hrs; class B

**MKP motor capacitors** (without fuse)

| Part no. | Capacity | a | b (max.) | c |
|---|---|---|---|---|
| **02100-4-7320** | 1.0 µF | 25-28 | 58.0 | 235.0 |
| **99282-4-7320** | 1.5 µF | 25-28 | 58.0 | 235.0 |
| **99283-4-7320** | 2.0 µF | 25-28 | 58.0 | 235.0 |
| **02103-4-7320** | 2.5 µF | 25-28 | 70.0 | 235.0 |
| **68462-4-7320** | 3.0 µF | 25-28 | 70.0 | 235.0 |
| **99284-4-7320** | 4.0 µF | 28-32 | 58.0 | 235.0 |
| **02101-4-7320** | 5.0 µF | 30-36 | 70.0 | 235.0 |
| **99285-4-7320** | 6.0 µF | 30-36 | 70.0 | 235.0 |
| **66788-4-7320** | 7.0 µF | 30-36 | 72.0 | 100.0 |
| **99286-4-7320** | 8.0 µF | 35-40 | 72.0 | 235.0 |
| **99287-4-7320** | 10.0 µF | 35-40 | 72.0 | 200.0 |
| **66786-4-7320** | 12.0 µF | 40.0 | 72.0 | 100.0 |
| **30457-4-7320** | 14.0 µF | 40-45 | 92.0 | 150.0 |
| **50090-4-7320** | 16.0 µF | 35-40 | 95.0 | 100.0 |
| **90034-4-7320** | 20.0 µF | 40.0 | 95.0 | 235.0 |
| **90025-4-7320** | 25.0 µF | 40.0 | 120.0 | 235.0 |

subject to alterations

# Capacitors

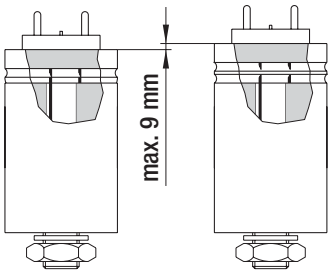



- **Material:** Plastic cap, aluminium cup
- **Designation:** FPU or P2 according to IEC 252 (non-flammable, non-explosive, circuit-breaking)
- **Approval:** VDE according to DIN EN 60252 (VDE 0560/8)
- **Calculated life time:**
  420 V; -25 to +85°C; 30,000 hrs; class A
  470 V; -25 to +85°C; 10,000 hrs; class B
  500 V; -25 to +85°C; 3,000 hrs; class C

**MKP motor capacitors FPU or P2** (with fuse)

| Part no. | Capacity | a | b (max.) | c (max.) |
|---|---|---|---|---|
| **02151-4-7320** | 1.0 µF | 25-30 | 77.0 | 92.0 |
| **02155-4-7320** | 1.5 µF | 25.0 | 77.0 | 92.0 |
| **02156-4-7320** | 2.0 µF | 25.0 | 77.0 | 92.0 |
| **02159-4-7320** | 2.5 µF | 30.0 | 71.0 | 92.0 |
| **02160-4-7320** | 3.0 µF | 30.0 | 71.0 | 92.0 |
| **02161-4-7320** | 4.0 µF | 25-30 | 104.0 | 135.0 |
| **02162-4-7320** | 5.0 µF | 25-30 | 104.0 | 113.0 |
| **02163-4-7320** | 6.0 µF | 30.0 | 101.0 | 110.0 |
| **02164-4-7320** | 7.0 µF | 30-35 | 101.0 | 110.0 |
| **02165-4-7320** | 8.0 µF | 30-35 | 102.0 | 111.0 |
| **02166-4-7320** | 10.0 µF | 35.0 | 96.0 | 110.0 |
| **02167-4-7320** | 12.0 µF | 35.0 | 96.0 | 110.0 |
| **90026-4-7320** | 14.0 µF | 40.0 | 130.0 | 139.0 |
| **02168-4-7320** | 16.0 µF | 40.0 | 96.0 | 130.0 |
| **02169-4-7320** | 20.0 µF | 40.0 | 116.0 | 130.0 |
| **02170-4-7320** | 25.0 µF | 40-45 | 116.0 | 130.0 |

subject to alterations




- **Pull-off protector:** The housing expands by max. 9 mm. The protector responds to overload by the generated excess pressure snapping off the internal lead in a predetermined breaking point.
- **Mounting:** c is the overall dimension of the capacitor which has to be taken into account when mounting the part. The capacitor design, however, depends on the manufacturer. The expansion (9 mm) is either added to dimension b, or it is already integrated in the capacitor.

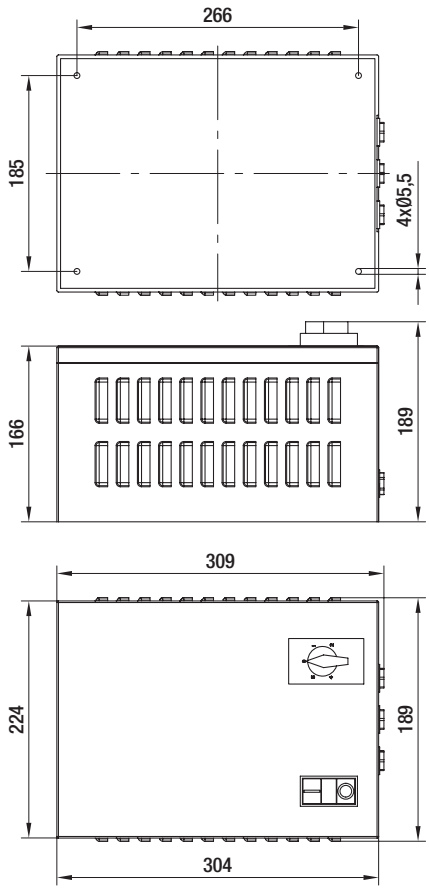
# Speed setting device, 3-phase (with 5 steps)

for wall assembly

- **Technical features:** Input for TOP
- **Voltage steps:** 3~ 400 / 280 / 230 / 180 / 140 VAC
- **Type of protection:** IP 20 (with vertical installation)

| Nominal data | | Nominal voltage | Frequency | Current draw | Mass |
|---|---|---|---|---|---|
| **Type** | | **VAC** | **Hz** | **A** | **kg** |
| **TCD 020-AA01 -05** | 3~ | 400 | 50/60 | 2.0 | 9.5 |
| **TCD 040-AA01 -05** | 3~ | 400 | 50/60 | 4.0 | 13.9 |
| **TCD 070-AA01 -05** | 3~ | 400 | 50/60 | 7.0 | 19.7 |

subject to alterations



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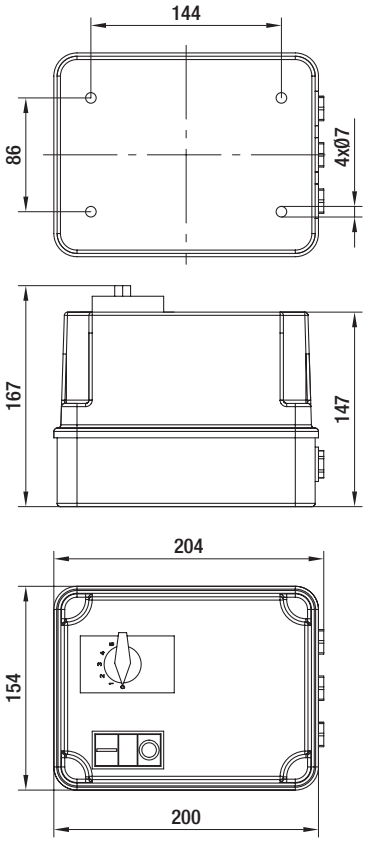
# Speed setting device, single-phase (with 5 steps)

for wall assembly

- **Technical features:** Input for TOP
- **Voltage steps:** 1~ 230 / 160 / 145 / 130 / 105 VAC
- **Type of protection:** IP 40

| Nominal data | | Nominal voltage | Frequency | Current draw | Mass |
|---|---|---|---|---|---|
| **Type** | | **VAC** | **Hz** | **A** | **kg** |
| **TCE 021-AA01 -05** | 1~ | 230 | 50/60 | 2.1 | 3.6 |
| **TCE 040-AA01 -05** | 1~ | 230 | 50/60 | 4.0 | 4.8 |
| **TCE 075-AA01 -05** | 1~ | 230 | 50/60 | 7.5 | 6.5 |

subject to alterations



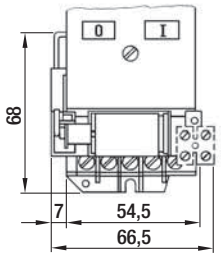
# Motor protection switch, 3-phase

for assembly inside a cabinet

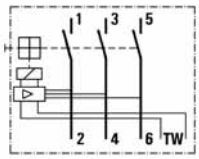
– **Technical features:** Input for TOP

| Nominal data | | Nominal voltage | Frequency | Current draw | Mass | |
|---|---|---|---|---|---|---|
| **Type** | | **VAC** | **Hz** | **A** | **kg** | **Auxiliary contactor** |
| **TPD 250-AB01 -01** | 3~ | 400 | 50/60 | 25.0 | 0.3 | Without auxiliary contactor |
| **TPD 250-AB01 -02** | 3~ | 400 | 50/60 | 25.0 | 0.3 | With break contact |
| **TPD 250-AB01 -03** | 3~ | 400 | 50/60 | 25.0 | 0.3 | With make contact |

subject to alterations




– **Electr. connection:**



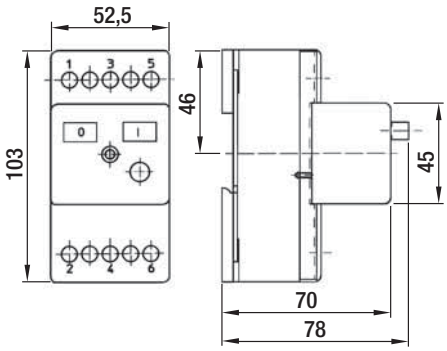
# Motor protection switch, single-phase

for assembly inside a cabinet

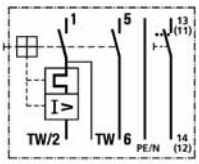
– **Technical features:** Input for TOP

| Nominal data | | Nominal voltage | Frequency | Current draw | Mass | |
|---|---|---|---|---|---|---|
| **Type** | | **VAC** | **Hz** | **A** | **kg** | **Auxiliary contactor** |
| **TPE 100-AB01 -01** | 3~ | 230 | 50/60 | 10.0 | 0.3 | Without auxiliary contactor |
| **TPE 100-AB01 -02** | 3~ | 230 | 50/60 | 10.0 | 0.3 | With break contact |
| **TPE 100-AB01 -03** | 3~ | 230 | 50/60 | 10.0 | 0.3 | With make contact |

subject to alterations




– **Electr. connection:**



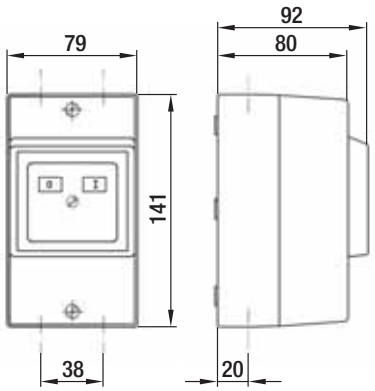
# Motor-protection switch, single phase and three-phase

for wall assembly

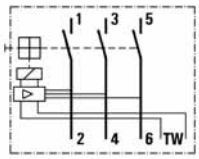
- **Technical features:** Input for TOP
- **Type of protection:** IP 55

| Nominal data | | Nominal voltage | Frequency | Current draw | Mass | |
|---|---|---|---|---|---|---|
| **Type** | | **VAC** | **Hz** | **A** | **kg** | **Auxiliary contactor** |
| **TPD 250-AA01 -01** | 3~ | 400 | 50/60 | 25.0 | 0.6 | Without auxiliary contactor |
| **TPD 250-AA01 -02** | 3~ | 400 | 50/60 | 25.0 | 0.6 | With break contact |
| **TPD 250-AA01 -03** | 3~ | 400 | 50/60 | 25.0 | 0.6 | With make contact |
| **TPE 100-AA01 -01** | 1~ | 230 | 50/60 | 10.0 | 0.6 | Without auxiliary contactor |
| **TPE 100-AA01 -02** | 1~ | 230 | 50/60 | 10.0 | 0.6 | With break contact |
| **TPE 100-AA01 -03** | 1~ | 230 | 50/60 | 10.0 | 0.6 | With make contact |

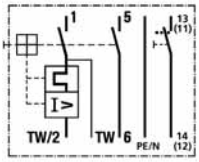
subject to alterations




- **Electr. connection, three-phase:**




- **Electr. connection, single-phase:**






ebmpapst

# Star-delta switch / repair switch

Third-party accessories from Möller Electric GmbH

for wall installation

**For more information:** www.moeller.net

**Star-delta switch** (available from Möller Electric GmbH)

| Designation | Installation |
|---|---|
| **T0-4-8410/I1** | Wall installation |
| **T0-4-8410/E** | Cabinet installation |

subject to alterations

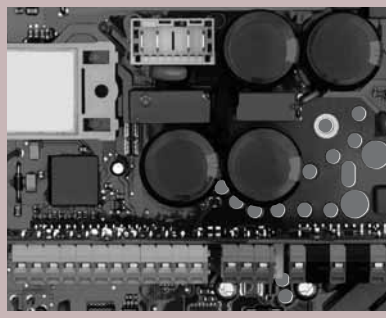
for wall installation

**For more information:** www.moeller.net

**Repair switch, lockable** (available from Möller Electric GmbH)

| Designation | Installation |
|---|---|
| **T0-2-8900/I1/SVB-SW** | Wall installation |
| **T0-2-8900/EA/SVB-SW** | Cabinet installation |

subject to alterations



# Mouser Electronics

Authorized Distributor

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78128-2-4039 99282-4-7320 99283-4-7320 2156-4-7320 2161-4-7320 2163-4-7320 2166-4-7320 2167-4-7320 2168-4-7320 2169-4-7320 26388-2-4039 50967-2-4039 50968-2-4039 50969-2-4039 50970-2-4039 50971-2-4039 50972-2-4039 66309-2-4039 66310-2-4039 66311-2-4039 66312-2-4039 66313-2-4039 10637-4-1040 73807-2-3634 73801-2-3634 73802-2-3634 73803-2-3634 73804-2-3634 73805-2-3634 73806-2-3634 73808-2-3634 73809-2-3634 73810-2-3634 73811-2-3634 73812-2-3634 73813-2-3634 73814-2-3634 73815-2-3634 73816-2-3634 73817-2-3634 73818-2-3634 73761-2-3634 73762-2-3634 73763-2-3634 73764-2-3634 73765-2-3634 73766-2-3634 73767-2-3634 73768-2-3634 73769-2-3634 73770-2-3634 73771-2-3634 73772-2-3634 73773-2-3634 73774-2-3634 73775-2-3634 73776-2-3634 73777-2-3634 73778-2-3634 99287-4-7320 2100-4-7320 52542-2-4037 52543-2-4037 52554-2-4037 04013-2-4039 52547-2-4037 51025-2-4053 51028-2-4053 2151-4-7320 52553-2-4037 51026-2-4053 2159-4-7320 52551-2-4037 2103-4-7320 30457-4-7320 52552-2-4037 51014-2-4053 35138-2-4039 2155-4-7320 2160-4-7320 19114-2-4039 52545-2-4037 51027-2-4053 52550-2-4037 52546-2-4037 99285-4-7320 50952-2-4039 52544-2-4037 19115-2-4039 77709-2-4039 66024-2-4039 19112-2-4039 2170-4-7320 68462-4-7320 71887-2-4053 2102-4-7320 71884-2-4053 64009-2-4037 71883-2-4053 71882-2-4053

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