

# 8PM002.00-1

## 1 Order data

| Model number | Short description                                                                                                                                                                                                      | Figure                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|              | <b>Accessories</b>                                                                                                                                                                                                     |                                                                                     |
| 8PM002.00-1  | 8-pin female Intercontec motor connector, crimping range 4x 2.5-4.0 mm <sup>2</sup> + 4x 0.06-1.0 mm <sup>2</sup> , soldering range 4x 0.5-4.0 mm <sup>2</sup> + 4x 0.06-1.5 mm <sup>2</sup> for cables 14-17 mm, IP67 |  |

Table 1: 8PM002.00-1 - Order data

## 2 Technical data

| Model number                            | 8PM002.00-1                                              |
|-----------------------------------------|----------------------------------------------------------|
| <b>General information</b>              |                                                          |
| Insulator                               | PA 6.6 / PBT, UL94/V0 listed                             |
| Contacts                                | 8 (4 power and 4 signal contacts)                        |
| Protective ground connection on housing | According to VDE 0627                                    |
| <b>Electrical properties</b>            |                                                          |
| Overvoltage category                    | 3                                                        |
| Power contacts                          |                                                          |
| Contact resistance                      | <3 mΩ                                                    |
| Nominal voltage                         | 630 VAC / VDC                                            |
| Nominal current                         | 30 A                                                     |
| Test voltage (L - L)                    | 6000 V                                                   |
| Signal contacts                         |                                                          |
| Contact resistance                      | <5 mΩ                                                    |
| Nominal voltage                         | 250 VAC / VDC                                            |
| Nominal current                         | 10 A                                                     |
| Test voltage (L - L)                    | 2500 V                                                   |
| <b>Operating conditions</b>             |                                                          |
| Pollution degree per EN 61800-5-1       | 3                                                        |
| Degree of protection per EN 60529       | IP67 when connected                                      |
| <b>Ambient conditions</b>               |                                                          |
| Temperature                             |                                                          |
| Operation                               | -20 to 130°C                                             |
| Elevation                               |                                                          |
| Operation                               | Up to 2000 m                                             |
| <b>Mechanical properties</b>            |                                                          |
| Housing                                 |                                                          |
| Material                                | Zinc die cast / brass, nickel plated                     |
| Crimping range                          | 4x 2.5 - 4 mm <sup>2</sup> + 4x 0.06 - 1 mm <sup>2</sup> |
| Gasket                                  | FPM / HNBR                                               |
| Connector size                          | Size 1                                                   |
| Mating cycles                           | >50                                                      |
| Cable terminals                         | 14 to 17 mm                                              |
| <b>Vendor information</b>               |                                                          |
| Manufacturer                            | INTERCONTEC (www.intercontec.biz)                        |
| Manufacturer's product ID               | BSTA 108 FR 35 59 0036 000                               |

Table 2: 8PM002.00-1 - Technical data