



# RECTANGULAR CONNECTORS

Cable socket, self-assembly



TYPE A EN 175301-803 (DIN 43650) / ISO 4400

| Product description                      |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| Description                              | cable socket with central screw M 3 x 35   | cable socket with central screw M 3 x 35   |  | cable socket with central screw M 3 x 35   | cable socket with central screw M 3 x 35   | cable socket with central screw M 3 x 35   | cable socket with central screw M 3 x 35   |  |
| Type                                     | <b>GDM 2014 J schwarz/black</b>  | <b>GDM 3016 schwarz/black</b>  |  | <b>GDM 3009 schwarz/black</b>  | <b>GDM 3009 J schwarz/black</b>  | <b>GDM 3011 schwarz/black</b>  | <b>GDM 3011 J schwarz/black</b>  |  |
| Order No.                                | 932 107-100  | 934 395-100  |  | 931 969-100  | 932 214-100  | 931 952-100  | 932 109-100  |  |
| Other standard types                     |  | grey housing,<br>Order no. 934 395-106   |  | grey housing,<br>Order no. 931 969-106   |  | grey housing,<br>Order no. 931 952-106   | grey housing,<br>Order no. 932 109-106   |  |
| Number of contacts                       | 2 + PE   | 3 + PE   |  | 3 + PE   | 3 + PE   | 3 + PE   | 3 + PE   |  |
| Cable gland                              | ISO 228 - G 1/2 (R 1/2")   | M 16   |  | PG 9   | PG 9   | PG 11  | PG 11  |  |
| Conductor size                           | max. 1.5 mm <sup>2</sup>   | max. 1.5 mm <sup>2</sup>   |  | max. 1.5 mm <sup>2</sup>   | max. 1.5 mm <sup>2</sup>   | max. 1.5 mm <sup>2</sup>   | max. 1.5 mm <sup>2</sup>   |  |
| Standard                                 | DIN EN 175 301-803-A   | DIN EN 175 301-803-A   |  | DIN EN 175 301-803-A   | DIN EN 175 301-803-A   | DIN EN 175 301-803-A   | DIN EN 175 301-803-A   |  |
| Housing Color                            | black  | black  |  | black  | black  | black  | black  |  |
| Construction type                        | A  | A  |  | A  | A  | A  | A  |  |
| <b>Drawing</b>                           |  |  |  |  |  |  |  |  |
| <b>Technical data</b>                    |  |  |  |  |  |  |  |  |
| Pin dimensions                           | 6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm   | 6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm   |  | 6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm   | 6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm   | 6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm   | 6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm   |  |
| Rated voltage                            | UC 250 V   | UC 250 V   |  | UC 250 V   | UC 250 V   | UC 250 V   | UC 250 V   |  |
| Rated current                            | 16 A   | 16 A   |  | 16 A   | 16 A   | 16 A   | 16 A   |  |
| Contact resistance                       | ≤ 4 mOhm   | ≤ 4 mOhm   |  | ≤ 4 mOhm   | ≤ 4 mOhm   | ≤ 4 mOhm   | ≤ 4 mOhm   |  |
| Type of termination                      | screw / cable shoe / cable eye   | screw  |  | screw  | screw / cable shoe / cable eye   | screw  | screw / cable shoe / cable eye   |  |
| Suitable cables                          | 6 mm to 13 mm diameter   | 4.5 mm to 10 mm diameter   |  | 4.5 mm to 7 mm diameter  | 4.5 mm to 7 mm diameter  | 6 mm to 9 mm diameter  | 4.5 mm to 11 mm diameter   |  |
| Mounting                                 | central nut  | central nut  |  | central nut  | central nut  | central nut  | central nut  |  |
| <b>Material</b>                          |  |  |  |  |  |  |  |  |
| Contact surface material                 | Sn   | Sn   |  | Sn   | Sn   | Sn   | Sn   |  |
| Contact bearer material                  | PA   | PA   |  | PA   | PA   | PA   | PA   |  |
| Housing material                         | PA   | PA   |  | PA   | PA   | PA   | PA   |  |
| <b>Environmental conditions</b>          |  |  |  |  |  |  |  |  |
| Protection class (IEC 60529)             | IP 65 (gasket necessary)   | IP 65 (gasket necessary)   |  | IP 65 (gasket necessary)   | IP 65 (gasket necessary)   | IP 65 (gasket necessary)   | IP 65 (gasket necessary)   |  |
| Pollution severity                       | 3  | 3  |  | 3  | 3  | 3  | 3  |  |
| Temperature range                        | -40 °C to +125 °C  | -40 °C to +125 °C  |  | -40 °C to +125 °C  | -40 °C to +125 °C  | -40 °C to +125 °C  | -40 °C to +125 °C  |  |
| <b>Inflammability class</b>              |  |  |  |  |  |  |  |  |
| Housing                                  | 94 V0  | 94 HB  |  | 94 HB  | 94 HB  | 94 HB  | 94 HB  |  |
| Contact bearer                           | 94 V0  | 94 HB  |  | 94 HB  | 94 V0  | 94 HB  | 94 V0  |  |
| <b>Approvals</b>                         |  |  |  |  |  |  |  |  |
| UR                                       | UR   |  |  | UR   |  |  | UR   |  |
| VDE                                      | VDE  | VDE  |  | VDE  | VDE  | VDE  | VDE  |  |
| SEV                                      |  |  |  | SEV  | SEV  | SEV  | SEV  |  |
| CSA                                      | CSA  |  |  | CSA  | CSA  | CSA  | CSA  |  |
| GL                                       | GL   |  |  |  |  |  |  |  |
| <b>Packaging unit</b>                    |  |  |  |  |  |  |  |  |
| Packaging unit                           | 200 pieces   | 200 pieces   |  | 200 pieces   | 200 pieces   | 200 pieces   | 200 pieces   |  |
| <b>Scope of delivery and accessories</b> |  |  |  |  |  |  |  |  |
| Accessories to order separately          | (NBR) flat gasket GDM 3-7,<br>Order no. 730 801-002;<br>(ECO) flat gasket GDM 3-21,<br>Order no. 731 739-002;<br>profiled gasket GDM 3-16,<br>Order no. 731 531-002;<br>knurled screw GDM 3011-8,<br>Order no. 732 574-001;<br>stainless steel screw GDM 3011 RF-1,<br>Order no. 734 363-001 | (NBR) flat gasket GDM 3-7,<br>Order no. 730 801-002;<br>(ECO) flat gasket GDM 3-21,<br>Order no. 731 739-002;<br>profiled gasket GDM 3-16,<br>Order no. 731 531-002;<br>knurled screw GDM 3011-8,<br>Order no. 732 574-001;<br>stainless steel screw GDM 3011 RF-1,<br>Order no. 734 363-001 |  | (NBR) flat gasket GDM 3-7,<br>Order no. 730 801-002;<br>(ECO) flat gasket GDM 3-21,<br>Order no. 731 739-002;<br>profiled gasket GDM 3-16,<br>Order no. 731 531-002;<br>knurled screw GDM 3011-8,<br>Order no. 732 574-001;<br>stainless steel screw GDM 3011 RF-1,<br>Order no. 734 363-001 | (NBR) flat gasket GDM 3-7,<br>Order no. 730 801-002;<br>(ECO) flat gasket GDM 3-21,<br>Order no. 731 739-002;<br>profiled gasket GDM 3-16,<br>Order no. 731 531-002;<br>knurled screw GDM 3011-8,<br>Order no. 732 574-001;<br>stainless steel screw GDM 3011 RF-1,<br>Order no. 734 363-001 | (NBR) flat gasket GDM 3-7,<br>Order no. 730 801-002;<br>(ECO) flat gasket GDM 3-21,<br>Order no. 731 739-002;<br>profiled gasket GDM 3-16,<br>Order no. 731 531-002;<br>knurled screw GDM 3011-8,<br>Order no. 732 574-001;<br>stainless steel screw GDM 3011 RF-1,<br>Order no. 734 363-001 | (NBR) flat gasket GDM 3-7,<br>Order no. 730 801-002;<br>(ECO) flat gasket GDM 3-21,<br>Order no. 731 739-002;<br>profiled gasket GDM 3-16,<br>Order no. 731 531-002;<br>knurled screw GDM 3011-8,<br>Order no. 732 574-001;<br>stainless steel screw GDM 3011 RF-1,<br>Order no. 734 363-001 | (NBR) flat gasket GDM 3-7,<br>Order no. 730 801-002;<br>(ECO) flat gasket GDM 3-21,<br>Order no. 731 739-002;<br>profiled gasket GDM 3-16,<br>Order no. 731 531-002;<br>knurled screw GDM 3011-8,<br>Order no. 732 574-001;<br>stainless steel screw GDM 3011 RF-1,<br>Order no. 734 363-001 |