

IE-C5DD4UG0100MCSDCS-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

| | |
|------------|---|
| Version | Dragline cable, PROFINET, M12 D-code – IP 67 straight pin, M8 D-code - IP67 straight pin, Cat. 5e |
| Order No. | 2859780100 |
| Type | IE-C5DD4UG0100MCSDCS-E |
| GTIN (EAN) | 4064675573678 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|-------|
| Net weight | 250 g |
|------------|-------|

Temperatures

| | | | |
|---------------------|----------------|--------------------------|----------------|
| Storage temperature | -50 °C...70 °C | Installation temperature | -20 °C...60 °C |
|---------------------|----------------|--------------------------|----------------|

Cable specific standards

| | | | |
|-------------------------------|---|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Standard, wire material | DIN EN 13602 Cu-ETP-A | | |

Standards

| | | | |
|-------------------------------|---|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Standard, wire material | DIN EN 13602 Cu-ETP-A | | |

Cable structure

| | | | |
|-----------------------------|---|---------------------------------------|---|
| Arrangement of wire cores | Star-quad | Colour sequence or wires - wire pairs | white, yellow, blue, orange |
| Complete shielding | Aluminium foil, Shielding braid made from copper wiring | Cross-section | 4*AWG 22/7 - 0.32 mm ² |
| Diameter of inner sheathing | 3.9 mm | Filler | As central element |
| Number of wires | 4 | Overlap of shielding braid | 85 % |
| Sheath diameter, max. | 6.7 mm | Sheath diameter, min. | 6.3 mm |
| Sheathing colour | green (RAL 6018) | Sheathing material thickness | 0.9 mm |
| Shielding braid thickness | 0.13 mm | Standard designations | 2YH(ST)C11Y 2x2x0.75/1.5-100 LI VZN GN FRNC |
| Strands | 7 | Wire core insulation thickness | 0.38 mm |
| Wire material | Stranded tin-plated copper wire | | |

Electrical properties of cable

| | | | |
|--------------------------|-------------------------|--------------------------------|--------------------------------------|
| Capacity at 1 kHz | 52 nF/km | Category | Cat. 5e |
| Characteristic impedance | 100 ± 15 Ω at 1-100 MHz | Delay skew | 40 ns/100m |
| Loop resistance | 120 Ω/km | Operating voltage (UL rating) | 600 V |
| Operating voltage, UL | 600 V | Resistance differential | 3 % |
| Speed | 180 m/min | Test voltage: wire-wire-shield | 2000 V _{eff} , 50 Hz, 1 min |
| Transfer impedance | 20 mΩ/m at 10 MHz | | |

Mechanical and material properties of cable

| | | | |
|---------------------------------|----------------------|--------------------------------|--------------------|
| Abrasion resistance | very good | Acceleration | 4 m/s ² |
| Bending cycles | 3 Mio | Fire propagation | No |
| Halogen | No | Min. bending radius, once only | 5 x cable diameter |
| Min. bending radius, repetitive | 7.5 x cable diameter | Pulling force | ≤ 150 N |
| Resistance to oils | Yes | Resistance to spread of flame | Yes |
| Silicone-free | Yes | Speed | 180 m/min |
| UV-resistant | Yes | | |

Creation date July 5, 2024 2:10:05 AM CEST

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www.weidmueller.com**Technical data****Plug, left**

| | |
|-----------|---|
| Plug left | M12, D-coded, IP67, male contact, straight, plug, Plastic, shielded |
|-----------|---|

Plug, right

| | |
|------------|--|
| Plug right | M8, D-coded, IP67, male contact, straight, Plastic, shielded |
|------------|--|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ECLASS 9.0 | 27-06-03-08 | ECLASS 9.1 | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |
| ECLASS 12.0 | 27-06-03-08 | ECLASS 13.0 | 27-06-03-08 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 67cf1078-beca-4687-860b-dc475a6ec24a |

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |