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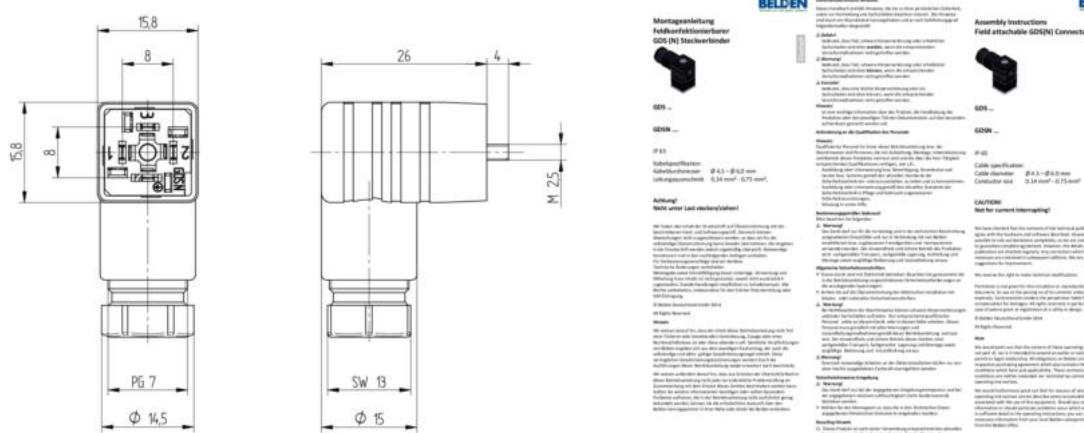
Product: [GDSN 307 grey](#)

GM Industrial Standard Field Attachable Connector: Form C, 4-pin (3+1PE; PE across cable outlet), UL 1977, grey housing, screw type, PG7; without circuitry, 230 V AC/DC, 6 A

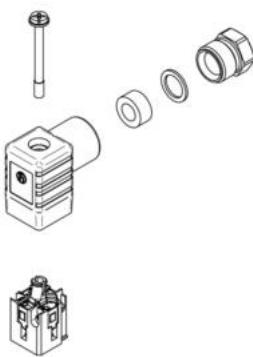
Product Description

GM Industrial Standard Field Attachable Connector: Form C, 4-pin (3+1PE; PE across cable outlet), UL 1977, grey housing, screw type, PG7; without circuitry, 230 V AC/DC, 6 A

Technical Drawing



3D0-001-001-00-001-012



K1 (+) ○ ————— C1 (+)

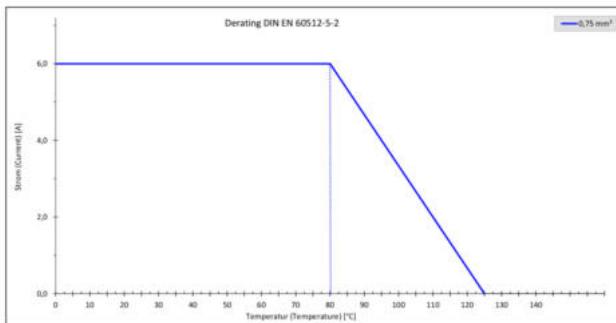
K2 (-) ○ ————— C2 (-)

K3 (+) ○ ————— C3 (+)

⊕ ○ ————— C⊕

K3 (+) ○ ————— C3 (+)

⊕ ○ ————— C⊕



Technical Specifications

Technical Data

| | |
|-----------------------------------|---|
| Product Family: | Valve Connectors |
| Product Sub Family: | GDSN DIN Standard |
| Brand: | Hirschmann |
| Connector Type: | Field attachable |
| Type of Contact / Gender: | Female |
| Connector Design: | Angled |
| Number of Pins: | 3+PE (PE across cable outlet) |
| Coding: | C |
| Shielding: | Unshielded |
| Attachment Type: | Central Screw |
| Rated Voltage: | 250 V AC/DC |
| Rated Voltage (UL): | 250 V |
| Rated Voltage (CSA): | 300 V |
| Rated Impulse Voltage: | 4.0 kV |
| Operating Voltage: | 230 V AC/DC |
| Rated Current*: | 6 A |
| Rated Current (UL)*: | 6 A |
| Rated Current (CSA)*: | 6 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 50 |
| Type of Connection: | Screw |
| Cable Gland: | PG7 |
| Conductor Cross Section: | 0.25 - 0.75 mm ² |
| Suitable Cables: | Ø 4.5 - 6 mm |
| Ambient Temperature (Operation)*: | -40 °C - +125 °C |
| Operating Temperature (UL): | max. + 65 °C |
| Operating Temperature (CSA): | max. + 65 °C |
| Protection Degree / IP Rating**: | IP65 |
| Design Standard: | DIN EN 175301-803-C, ISO 4400 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | DIN EN 60664-1 (2008/01); VDE 0110-1 |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------|-------|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Sn |
| Contact Bearer Material: | PA GF |
| Contact Bearer Color: | black |

| | |
|--------------------------------------|---------------------------|
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Housing Material: | PA GF |
| Housing Color: | grey |
| Flammability Class (Housing): | UL 94 HB |
| Cable Gland Material: | PA GF |
| Cable Gland Gasket: | NBR |
| Cable Gland Color: | grey |
| Flammability Class (Cable Gland): | UL 94 HB |
| Attachment Material: | Steel, Philips combi slot |

Additional Technical Data

| | |
|-----------------------------------|-----------------|
| Fastening Torque (Contact Screw): | M3: (25-30) Ncm |
| Fastening Torque (Cable Gland): | (150-200) Ncm |
| Fastening Torque (Attachment): | (40-50) Ncm |

Approvals

| | |
|----------|-------------|
| UL-File: | E95522 |
| UL: | UL 1977; UR |
| VDE: | yes |
| CSA: | yes |
| SEV: | yes |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Notes

| | |
|-------------------------------------|--|
| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect or disconnect under load. |

Variants

| Item # | Item Description |
|-----------|------------------|
| 933023106 | GDSN 307 grey |

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