

MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

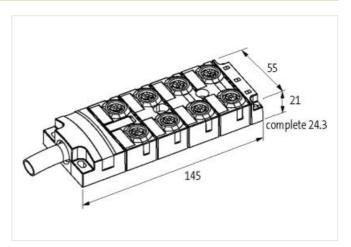
5.0m PUR 16x0,34+5x0,75, UL/CSA

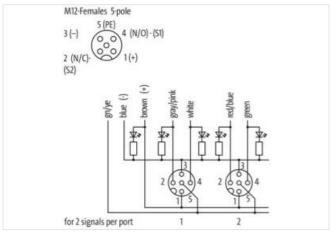
8-way, 5-pole, DIAGNOSTIC Operating current: 2 A per M12 (female) integrated electronic current monitoring with shutoff electronic diagnostic with ERROR LED Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image

Technical Data	
Operating voltage	24 V DC (EN 61131-2), potential separation 0 V for left/right side
Operating current (contact 3)	max. 2 A (shutoff 2.32.7 A)
Current consumption	max. 35 mA
LED display	LED (green): P1 and P2; LED (red): ERROR for optical diagnostics
Locking of ports	Screw thread (M12×1 mm)
Protection	IP65, IP67, IP68 inserted and tightened (EN 60529)
Housing	Zinc die casting, matte nickel plated



stay connected

DIAGNOSTIC signal "active high"	Diagnostic output	active high, max. load 25 mA, wire (brown 2)
LED display per port LED (yellow): contact 4 and 2: 2+ LED (red); for failure Unit protection pubse switching Total current max: 10 A General date Publication Temperature range -2060 °C Dimensions H-W-D 145-55-21 mm Cables 16- 0.34 + 5- 0.75 mm² No Idiameter of wires 16- 0.34 + 5- 0.75 mm² Wire isolation TPE gark, wh. rdbl., gn, whign, ye, brgn., gr, whye, pk, yebr, rd, whgr, bk, grbr, vi, br, bl, grye) C-track properties 5 Mio. Coatie number 403 Approval (cable) UL (AWM-Style 20233*10042), CSA; CE conform Markerial (wire) Cu wire, bare Resistor (core) max. 57 Ohm (0.34 mm²), max. 26 O/km (0.75 mm²); (20 °C) Single wire of (core) 0.1 mm Diameter (core) 16- 0.34 + 5- 0.75 mm² WAWG similar to AWG 22 (0.34 mm²); similar to AWG 18 (0.75 mm²) Warrent Parkenses (jacket) 35-55 D Shied yes Shied yes Shied yes Create values 2000 V AC Current load cap	Required power supply with max. ports	max. 20 A
Unit protection	Inrush capacity	max. 1470 μF
Total current max. 10 A	LED display per port	LED (yellow): contact 4 and 2; 2× LED (red): for failure
Common	Unit protection	pulse switching
Temperature range	Total current	max. 10 A
Dimensions H-W-D	General data	
Cables No. disameler of wires 16 ± 0.34 ± 5 ± 0.75 mm² Wire isolation TPE (gripk, w., rold, gn, whgn, ye, brgn, gr, whye, pk, yebr, rd, whgr, bk, grbr, vi, br, bi, gnye) Chrack properties 5 Mio. Outer Ø 11.5 mm ±5% Cable number 40.3 Approval (cable) UL. (AWM-Style 20233/10042), CSA; CE conform Material (wire) Cu wire, batre Registor (core) max. 57 Mrm (0.34 mm²), max. 26 Ω/km (0.75 mm²); (20 °C) Single wire Ø (core) 0.1 mm Diameter (core) 16 × 0.34 × 5 × 0.75 mm² Makerial (wire isolation) TPE-E Shore hardness (wire isolation) TPE-E Shore hardness (wire isolation) 55 ±5 D Shield yes Shore hardness (gacket) 85 ±5 A Jacket Color gray Nominal voltage 300500 V AC Test voltage 2000 V AC Current load capacity 10 DIN VDE 0298 4 Temperature range (fixed) 5 × outer Ø Bend radius (fixed) 5 × outer Ø Bend radius (moving) 10 - outer Ø Bend	Temperature range	-20+60 °C
No./diameter of wires 16 × 0.34 + 5 × 0.75 mm²	Dimensions H×W×D	145×55×21 mm
Wire isolation TPE (grpk, wh, rdbl, gn, whgn, ye, brgn, gr, whye, pk, yebr, rd, whgr, bk, grbr, vi, br, bl, gnye) C-track properties 5 Mio. Outer Ø 11.5 mm ±5% Cable number 403 Approval (cable) UL (AWM-Style 20233/1042), CSA; CE conform Material (wire) Cu wire, bare Resistor (core) max, 57 Økm (0.34 mm²), max, 26 Økm (0.75 mm²); (20 °C) Single wire Ø (core) 0.1 mm Diameter (core) 16× 0.34 ± 5× 0.75 mm² WAWG similar to AWG 32 (0.34 mm²); similar to AWG 18 (0.75 mm²) Material (wire isolation) TPE-E Shore hardness (wire isolation) 55 ± 5 D Shiold yes Shore hardness (jacket) 85 ± 5 A Jacket Color gray Nominal voltage 300/550 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) 40. +30 °C Temperature range (fixed) 5 x outer Ø Bend radius (fixed) 5 x outer Ø Bend radius (moving) 10x outer Ø Bend radius (moving	Cables	
C-track properties 5 Mio. Outer Ø 11.5 mm ±5% Cable number 403 Approval (cable) UL (AWM-Style 20233/10042), CSA; CE conform Material (wire) Cu wire, bare Besistor (core) max. 57 Ω/km (0.34 mm²), max. 26 Ω/km (0.75 mm²); (20 °C) Single wire Ø (core) 15 × 0.24 × 5 × 0.75 mm² Diameter (core) 16 × 0.34 × 5 × 0.75 mm² AWC similar to AWG 22 (0.34 mm²); similar to AWG 18 (0.75 mm²) Material (wire isolation) TPE-E Shore hardness (wire isolation) 55 ± 5 D Shrield yes Shrield yes Shrield (or gray Nominal voltage 300:500 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298 4 Temperature range (fixed) 4090 °C Temperature range (mobile) 25480 °C Bend radius (moving) 10 × outer Ø Bend r	No./diameter of wires	16× 0.34 + 5× 0.75 mm ²
Outer Ø 11.5 mm ±5% Cable number 403 Approval (cable) UL (AWM-Style 20233/10042), CSA; CE conform Material (wire) Cu wire, bare Resistor (core) max. 57 Ωkm (0.34 mm²), max. 26 Ω/km (0.75 mm²); (20 °C) Single wire Ø (core) 0.1 mm Diameter (core) 16× 0.34 + 5 · 0.75 mm² AVC similar to AWG 22 (0.34 mm²); similar to AWG 18 (0.75 mm²) Material (wire isolation) TPE-E Shore hardness (wire isolation) 55 ± 5 D Shrield yes Shore hardness (jackat) 35 ± 5 A Jacket Color gray Nominal voltage 300/500 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+90 °C Temperature range (mobile) -25+80 °C Bend radius (fixed) 5x outer Ø Bend radius (moving) 10 × outer Ø <	Wire isolation	TPE (grpk, wh, rdbl, gn, whgn, ye, brgn, gr, whye, pk, yebr, rd, whgr, bk, grbr, vi, br, bl, gnye)
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Approval (cable) UL (AWM-Style 20233/10042), CSA; CE conform Material (wire) Cu wire, bare Resistor (core) max. 57 Ω/km (0.34 mm²), max. 26 Ω/km (0.75 mm²); (20 °C) Single wire Ø (core) 0.1 mm Diameter (core) 16 × 0.34 ± 5 · 0.75 mm² AWG similar to AWG 22 (0.34 mm²); similar to AWG 18 (0.75 mm²) AWG similar to AWG 22 (0.34 mm²); similar to AWG 18 (0.75 mm²) Shore hardness (wire isolation) 75 ± 5 D Shore hardness (wire isolation) 55 ± 5 D Shore hardness (wire isolation) 55 ± 5 D Shore hardness (jacket) 85 ± 5 A Jacket Color gray Nominal voltage 300,9500 V AC Cert of Color gray Nominal voltage 300,9500 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) 40 +90 °C Temperature range (mobile) -25 +80 °C Bend radius (fixed) 5 - outer Ø Bend radius (moving) 10 × outer Ø Bend radius (moving) 10 × outer Ø Bend radius (moving) max. 5 Mio. (25 °C)	Cable number	403
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Temperature range (fixed) -40+90 °C Temperature range (mobile) -25+80 °C Bend radius (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø Bend radius (moving) 10× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 5 m/s² Material (jacket) PUR (UL/CSA) Contact Layout PIN 1 (+) PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Test voltage	2000 V AC
Temperature range (mobile) -25+80 °C Bend radius (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø Bend radius (moving) 10× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 5 m/s² Material (jacket) PUR (UL/CSA) Contact Layout PIN 1 (+) PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed) Bend radius (moving) Bend radius (moving) 10× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Travel speed (C-track) max. 2 m/s Acceleration (C-track) Material (jacket) PUR (UL/CSA) Contact Layout PIN 1 (+) PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of a faul DIAGNOSTIC signal "active high"		-40+90 °C
Bend radius (moving) 10 × outer Ø Bend radius (moving) 10 × outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 5 m/s² Material (jacket) PUR (UL/CSA) Contact Layout PIN 1 (+) PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Temperature range (mobile)	-25+80 °C
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No. of bending cycles (C-track) max. 5 Mio. (25 °C) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 5 m/s² Material (jacket) PUR (UL/CSA) Contact Layout PIN 1	Bend radius (moving)	10× outer Ø
Travel speed (C-track) Acceleration (C-track) Material (jacket) PUR (UL/CSA) Contact Layout PIN 1 (+) PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Bend radius (moving)	10× outer Ø
Acceleration (C-track) Material (jacket) PUR (UL/CSA) Contact Layout PIN 1	No. of bending cycles (C-track)	max. 5 Mio. (25 °C)
Material (jacket) PUR (UL/CSA) Contact Layout PIN 1	Travel speed (C-track)	max. 2 m/s
Contact Layout PIN 1 (+) PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Acceleration (C-track)	max. 5 m/s ²
PIN 1 (+) PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Material (jacket)	PUR (UL/CSA)
PIN 2 (NC)/(S2) PIN 3 (-) PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Contact Layout	
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PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	PIN 2	
PIN 4 (NO)/(S1) PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	PIN 3	(-)
PIN 5 (Earth) LED (green): Power / LED (yellow): (S1/S2) / LED (red): Failure Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	PIN 4	
Description All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"		
All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"		· /
All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"	Description	
Functional description overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a faul DIAGNOSTIC signal "active high"		All M12 parts are current manitared regarding 0 V total current (contact 3), and are switched off in case of
Product a distribution of any of statement and page 197500	Functional description	overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a fault the
Product article number of manufacturer 2/590	Product article number of manufacturer	27590