

MVP12 Steel F&B, 8XM12, 5POLE, PRE-WIRED CABLE

10.0m TPE-V 16x0.5+3x1.0

5-pole

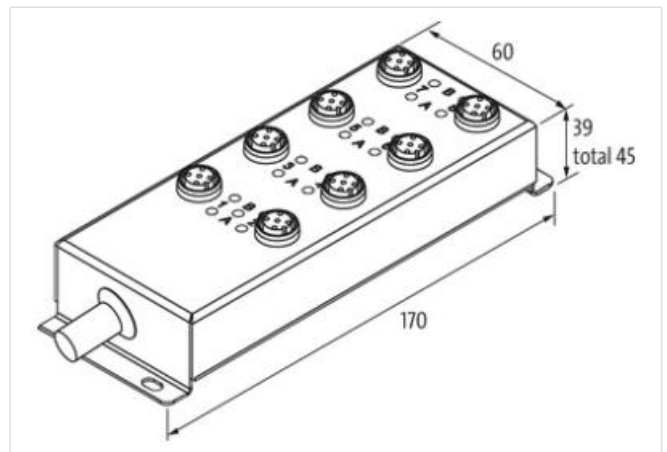
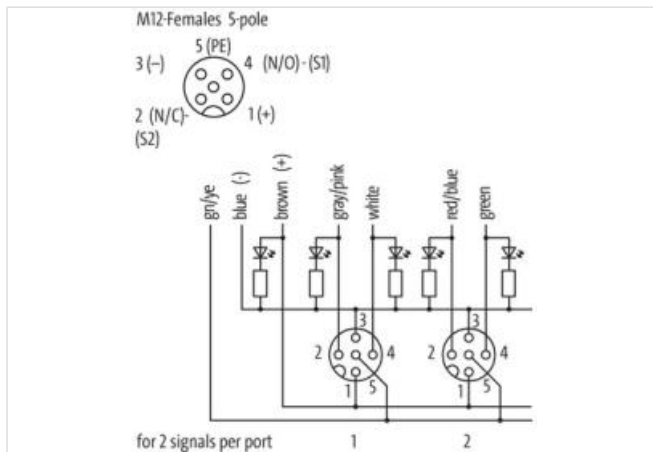
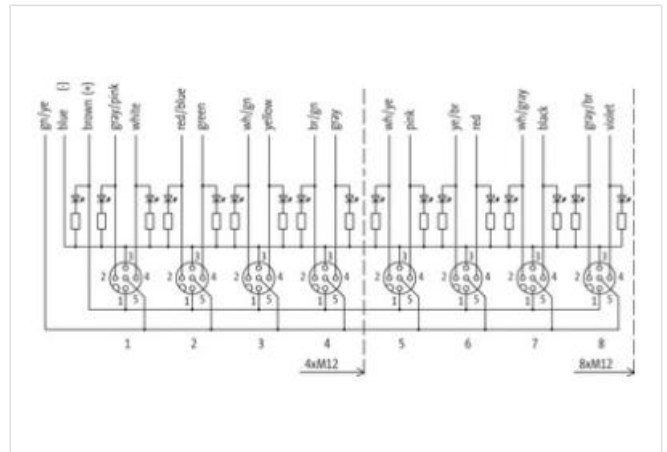
10.0 m

Further cable lengths on request.

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)

Illustration



Product may differ from Image



classifications

ECLASS-6.0	27143423
ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108

ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585

Cable

No./diameter of wires	16× 0.5 + 3× 1.0 mm ²
Wire isolation	TPE (grpk, wh, rd, gn, whgn, ye, brgn, gr, whye, pk, yebr, rd, whgr, bk, grbr, vi, br, bl, gnye)
C-track properties	5 Mio.
Outer Ø	11.6 mm ±5%
Cable identification	453
Cable number	453
Approval (cable)	FDA regulation 21 CFR 177.2600, CE conform
Cable weight [g/m]	199,1 g
Material wire	Cu wire, bare
Resistor (core)	max. 39 Ω/km (0.5 mm ²); max. 20 Ω/km (1.0 mm ²); (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	64× 0.1 mm (0.5 mm ²), 128× 0.1 mm (1.0 mm ²); (multi-strand wire class 6)
Diameter (core)	16× 0.5 + 3× 1.0 mm ²
AWG	similar to AWG 20 (0.5 mm ²); similar to AWG 17 (1.0 mm ²)
Material wire isolation	PP
Material property wire insulation	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	65 ±3 D
Wire-Ø incl. isolation	1.6 mm ±5% (0.5 mm ²); 2.1 mm ±5% (1.0 mm ²)
Shield	no
Material jacket	TPE-V
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness jacket	80 ±5 A
Outer-Ø (jacket)	11.6 mm ±5%
Color jacket	gray
Jacket Color	gray
Nominal voltage	300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+90 °C
Temperature range (fixed)	-40...+90 °C
Temperature range (mobile)	-20...+90 °C
Temperature range (mobile)	-20...+90 °C
Bend radius (fixed)	5× 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. 3.3 m/s
Acceleration (C-track)	max. 5 m/s ²
Material jacket	TPE-V

Technical Data

Operating voltage	24 V DC
Operating current per contact	max. 4 A
Locking of ports	Screw thread (M12×1 mm)
Protection	IP65, IP68, IP69K inserted and tightened (EN 60529)
Housing	Stainless steel 1.4404 (V4A)

Contact Layout

PIN 1	(+)
PIN 2	(NC)/(S2)
PIN 3	(-)

PIN 4	(NO)/(S1)
PIN 5	(Earth)
LED (green): Power / LED (yellow): (S1/S2)	
General data	
Temperature range	-30...+80 °C
Commercial data	
customs tariff number	85444290
GTIN	4048879554145
Packaging unit	1

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