

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

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

Art.No.: 8044-78510-4531000

Weight: 2.65

Country of origin: DE

Model designation: MVP12M-AN8F 453 10.0 F&B

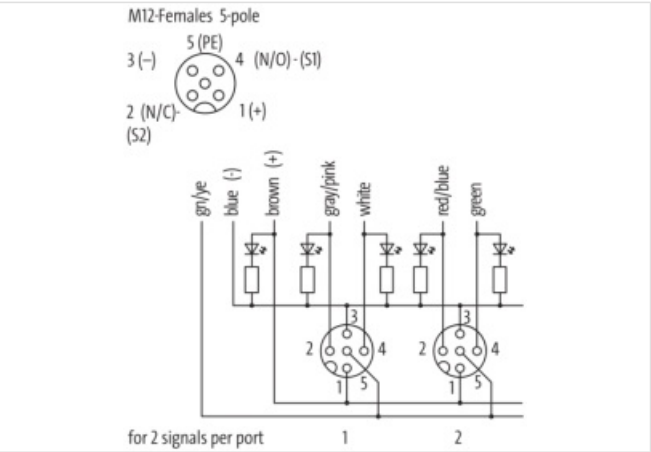
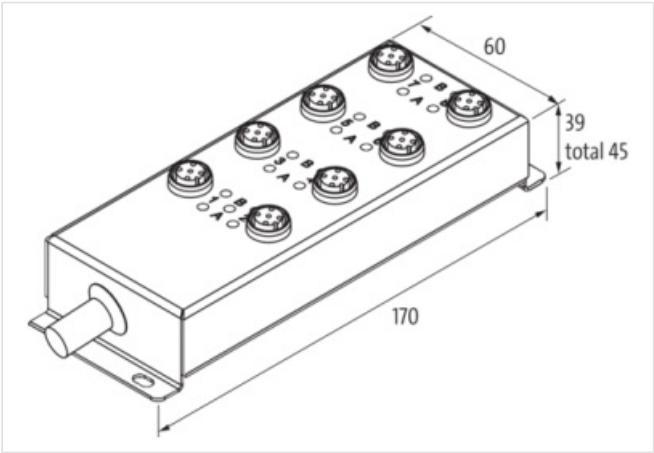
10.0 m

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



Commercial data	
URL Webshop	https://shop.murrelektronik.com/8044-78510-4531000
GTIN	4048879554145
ECLASS-6.0	27143423
ECLASS-6.1	27279219

ECLASS-7.0	27279219
ECLASS-7.1	27279219
ECLASS-8.0	27279219
ECLASS-8.1	27279219
ECLASS-9.0	27440108
ECLASS-9.1	27440108
ECLASS-10.0.1	27440108
ECLASS-10.1	27440108
ECLASS-11.0	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ECLASS-13.0	27440108
ECLASS-14.0	27440108
ETIM-5.0	EC002585
ETIM-6.0	EC002585
ETIM-7.0	EC002585
ETIM-8.0	EC002585
EAN	4048879554145

Electrical data | Supply

Operating voltage DC	24 V
Current operating per contact max.	4 A

Installation | Connection

Mounting set	M12 x 1
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67, IP68, IP65
Degree of protection (ISO 20653:2013)	IP69K
Additional condition protection degree	inserted, screwed

Mechanical data | Material data

Material housing	Stainless steel 1.4404 (V4A)
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Mechanical data | Mounting data

Mounting method	Schraubgewinde
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Environmental characteristics | Climatic

Operating temperature min.	-30 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality

Installation | Cable

Function cable	Hybrid
Amount stranding	1
Stranding	Wires
Amount stranding (type 2)	1
Stranding (type 2)	Wires
Filler	yes
Wire arrangement	gray-pink, brown-green, yellow, green-white, green, red-blue, white, (, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet,)
Cable weight	199.1 g/m
Material wire insulation	PP
Amount wires	16
Outer diameter insulation	1.6 mm
Outer diameter tolerance core insulation	± 0.05 mm
Shore hardness wire insulation	65
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Amount strands (wire)	64

Diameter of single wires	0.1 mm
Conductor crosssection (wire)	0.5 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (type 2)	PP
Outer diameter wire insulation (type 2)	2.1 mm
Tolerance outer diameter wire insulation (type 2)	± 0.05 mm
Shore hardness wire insulation (type 2)	65
Ingredient freeness wire insulation (type 2)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Amount wires (type 2)	3
Amount strands wire (type 2)	128
Diameter of single wires (type 2)	0.1 mm
Conductor crosssection wire (type 2)	1 mm ²
Material conductor wire (type 2)	Stranded copper wire, bare
Wire conductor type (type 2)	strand class 6
Outer-diameter (jacket)	11.6 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	TPE-V
Shore hardness jacket	80
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Conductor resistance (wire)	39 Ω/km @ 20 °C
Conductor resistance (wire type 2)	19.5 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5.9 A
Current load capacity min. Wire (type 2)	15 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	5 m/s ² @ 25 °C

Connection type 2

Family construction form	free cable end
No. of poles	19
Color contact carrier	gray
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE