

MVP-METALL, 4XM12, 5POLE, PRE-WIRED CABLE

15.0m PUR 8x0,5+3x1,0, UL/CSA

Art.No.: 8000-54510-4481500

Weight: 2.310 kg

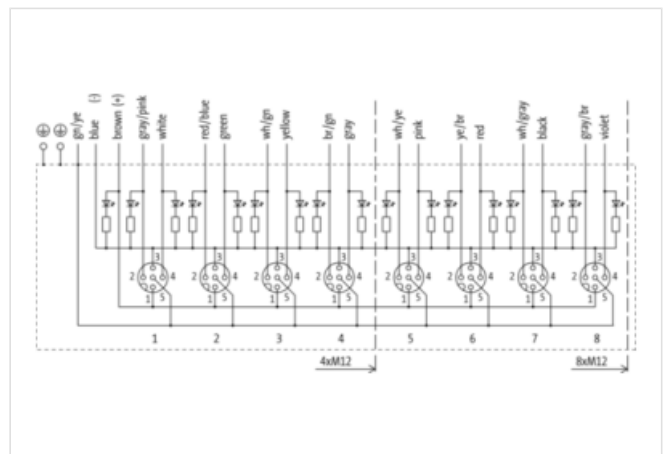
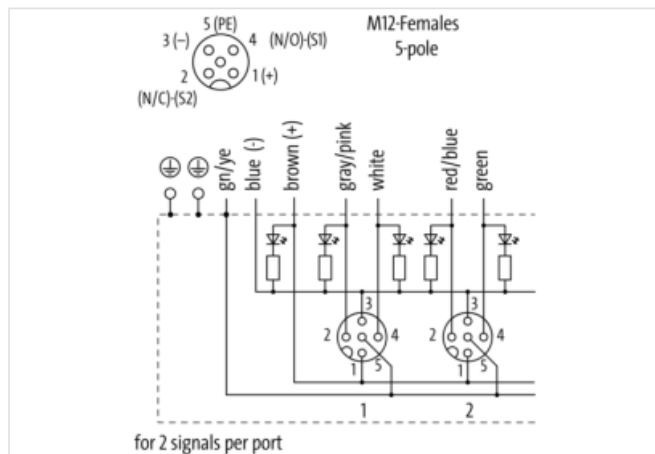
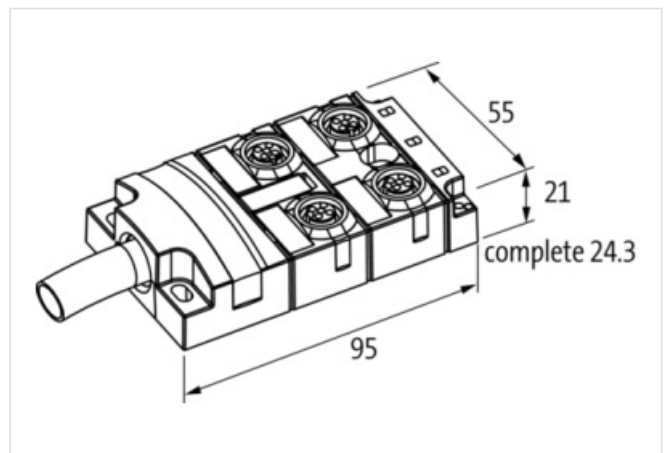
Country of origin: CZ

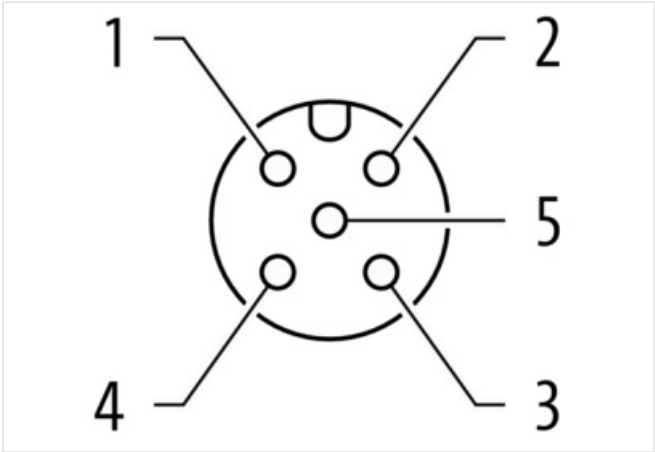
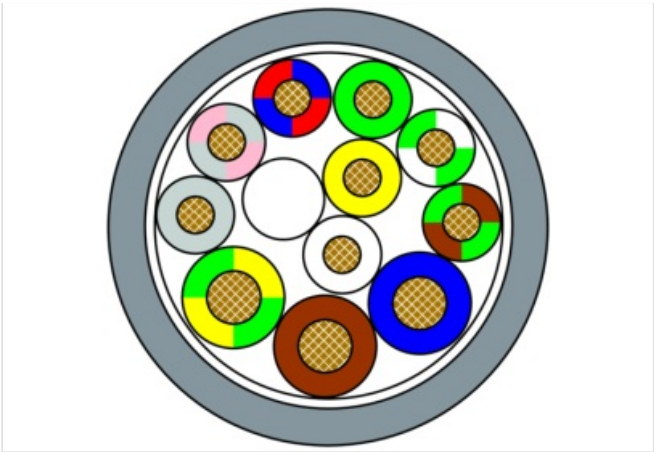
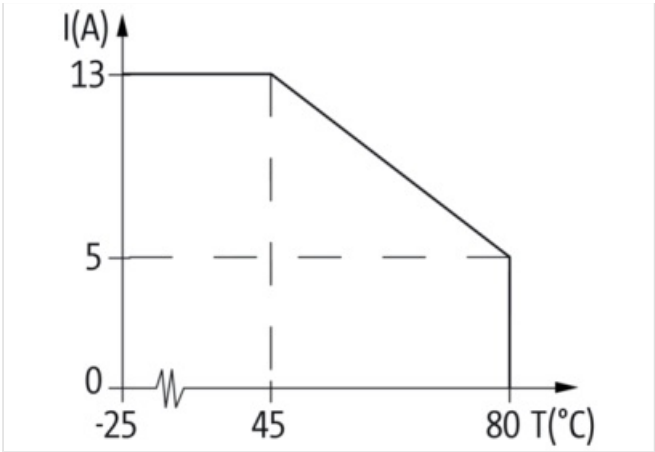
Model designation: MVP12M-AN4F 448 15.0

4-way, 5-pole

with LED for digital PNP-signals 24 V DC

Further cable lengths on request.

[Link to Product](#)**Illustration**



Product may differ from Image



Commercial data	
URL Webshop	https://shop.murrelektronik.com/8000-54510-4481500
GTIN	4048879350877
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
ECLASS-6.0	27279219
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
customs tariff number	85444290
EAN	4048879350877
Packaging unit	1

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
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Mechanical data | Material data

housing	Zinc die-casting
Coating housing	Nickel

Mechanical data | Mounting data

Mounting method	Schraubgewinde
Cable length	15 m

Environmental characteristics | Climatic

Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality

Installation | Cable

Stranding	1 × 2 wires stranded with filler
Stranding factor min.	51 mm
Stranding factor max.	51 mm
Stranding (type 2)	1 × 9 wires stranded in opposite direction
Stranding factor min. (type 2)	100 mm
Stranding factor max. (type 2)	100 mm
Banding	Fleece
Filler	Yes
Wire arrangement	(YE, WH), GY, GYPK, RDBU, GN, GNWH, BNGN, BU, BN, GNYE
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1.6 mm ± 0.1 mm
Conductor crosssection (wire)	0,5 mm ²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	64 × 0.1 mm
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free
Material wire insulation (type 2)	PP
Amount wires (type 2)	3
Outer diameter wire insulation (type 2)	2.1 mm ± 0.1 mm
Conductor crosssection (wire type 2)	1 mm ²
Material conductor wire (type 2)	Stranded copper wire, bare
Core construction (wire type 2)	128 × 0.1 mm
Ingredient freeness wire insulation (type 2)	lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free
Material jacket	PUR
Outer-diameter (jacket)	9 mm ± 5 %

Jacket Color	gray / RAL 7040
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	39 Ω /km @ 20 °C
Conductor resistance (wire type 2)	19.5 Ω /km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	500 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity max. (wire)	5,9 A
Current load capacity max. Wire (type 2)	15 A
Current load capacity (standard)	to DIN VDE 0298-4
Operating temperature (static)	-40 °C ... 80 °C / 90 °C @ 10000 h Operation
Operating temperature (dynamic)	-25 °C ... 80 °C / 90 °C @ 10000 h Operation
Operating temperature (drag chain)	-5 °C ... 60 °C
Flame resistance	IEC 60332-1-2
Oil resistance	good
Chemical resistance	good
Ozone resistance	IEC 60811-403
UV resistance	UL 1581 § 1200
Other resistances	resistant to mineral oils, greases, machine and gear oils and cooling lubricants, good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Notes	application-related testing
Bending radius (fixed)	7.5 × 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 horizontal
Travel speed (C-track)	2 m/s @ 25 °C
Acceleration (C-track)	5 m/s ² @ 25 °C
No. of torsion cycles	0.5 Mio. @ 25 °C
Torsion stress	± 180 °/m

Connection type 2

Family construction form	free cable end
No. of poles	16
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