

**EXACT12, 8XM12, 5-POLE, MOULDED CABLE**

10.0m PUR/PVC 16x0,34+3X0.75

Art.No.: 8000-88511-3981000

Weight: 1.960 kg

Country of origin: DE

Model designation: MVP12N-AN8F398 10.0m-NP

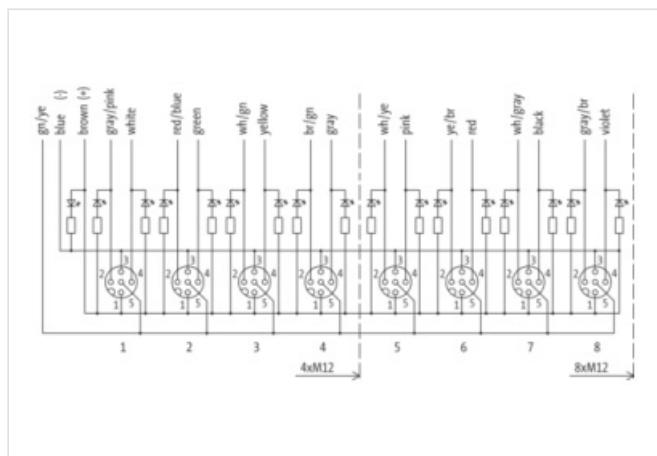
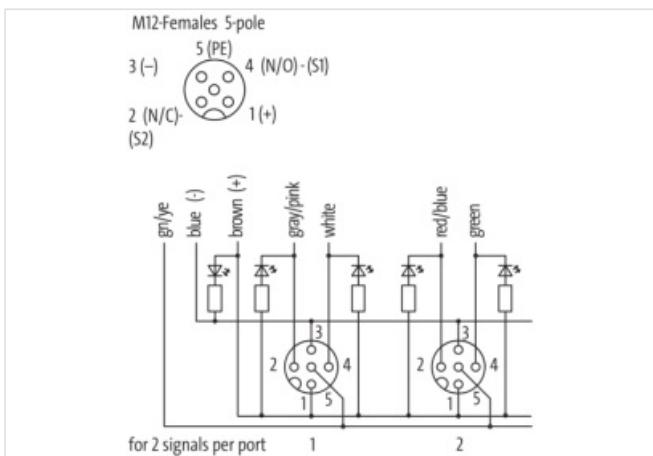
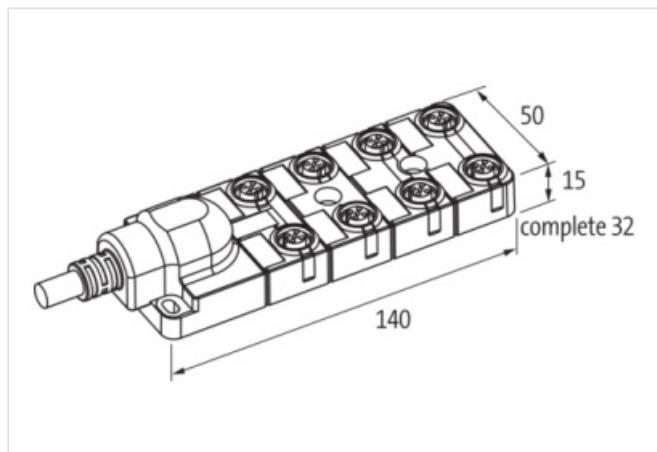
8-way, 5-pole

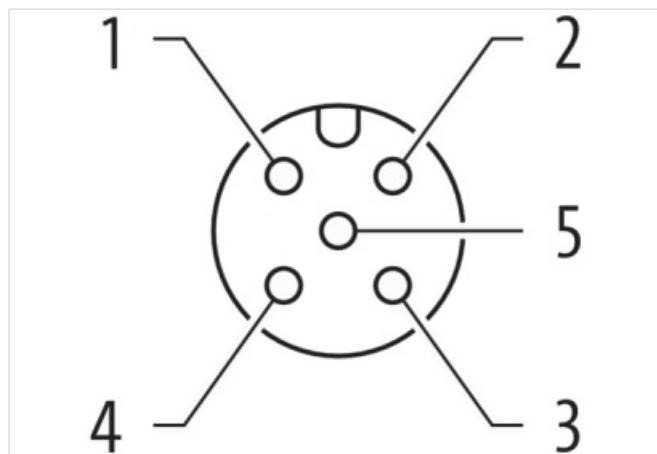
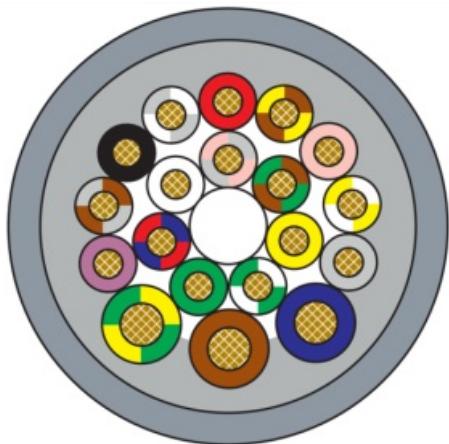
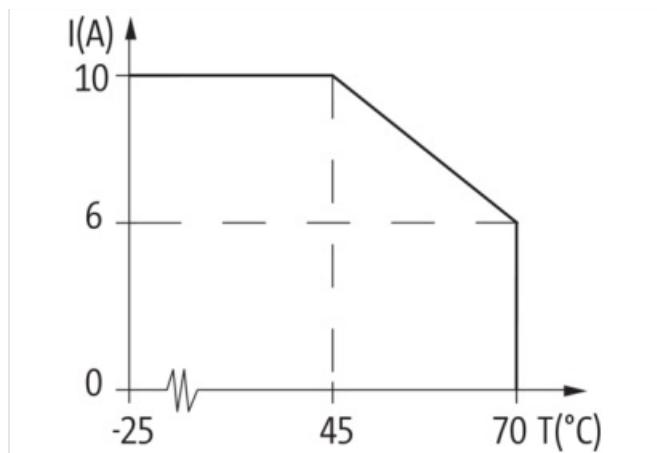
for NPN signals 24 V DC

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

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



#### Header

Material short text MVP12N-AN8F398 10.0m-NP

#### Commercial data

URL Webshop	<a href="https://shop.murrelektronik.com/8000-88511-3981000">https://shop.murrelektronik.com/8000-88511-3981000</a>
GTIN	4048879053938
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

ECCLASS-13.0	27440108
ECCLASS-14.0	27440108
ETIM-5.0	EC002585
ETIM-6.0	EC002585
ETIM-7.0	EC002585
ETIM-8.0	EC002585
customs tariff number	85444290
EAN	4048879053938
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, IP65
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**Device protection | Media**

Flame resistance	flame retardant
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**Mechanical data | Material data**

Material housing	Plastic
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**Mechanical data | Mounting data**

Mounting method	Schraubgewinde
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**Environmental characteristics | Climatic**

Operating temperature min.	-20 °C
Operating temperature max.	70 °C
Additional condition temperature range	depending on cable quality

**Installation | Cable**

Cable identification	398
Cable Type	2
Function cable	Hybrid, Signal, Power
Stranding	1 x 7 wires around core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	1 x 12 wires stranded around stranding combination
Filler	Yes
Wire arrangement	(white, gray-pink, brown-green, yellow, green-white, green, red-blue), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet
Cable weight	150 g/m
Material wire insulation	PVC
Amount wires	16
Outer diameter insulation	1,3 mm
Outer diameter tolerance core insulation	± 0,1 mm
Shore hardness wire insulation	43 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Material wire insulation (type 2)	PVC
Outer diameter wire insulation (type 2)	1,8 mm

Tolerance outer diameter wire insulation (type 2)	± 0,1 mm
Shore hardness wire insulation (type 2)	43 ± 5 Shore D
Material properties wire insulation (type 2)	good machinability
Ingredient freeness wire insulation (type 2)	lead-free, cadmium-free, CFC-free, silicone-free
Amount wires (type 2)	3
Amount strands wire (type 2)	42
Diameter of single wires (type 2)	0,15 mm
Conductor crosssection wire (type 2)	0,75 mm <sup>2</sup>
Material conductor wire (type 2)	Stranded copper wire, bare
Wire conductor type (type 2)	strand class 6
Electrical function wire (type 2)	Power
Outer-diameter (jacket)	10 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	87 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Material inner jacket	PVC
Color (inner jacket)	gray
Conductor resistance (wire)	57 Ω/km @ 20 °C
Conductor resistance (wire type 2)	26 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	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 max. (wire)	4 A
Current load capacity max. Wire (type 2)	12 A
Operating temperature min. (static)	-30 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Operating temperature min. (drag chain)	-5 °C
Operating temperature max. (drag chain)	60 °C
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	2 m/s @ 25 °C
Acceleration (C-track)	10 m/s <sup>2</sup> @ 25 °C

### Connection type 2

Family construction form	free cable end
No. of poles	19
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