

EXACT12, 8XM12, 5-POLE, MOULDED CABLE

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

Art.No.: 8000-88512-3981000

Weight: 1.96

Country of origin: DE

Model designation: MVP12N-AN8F398 10.0m-XA

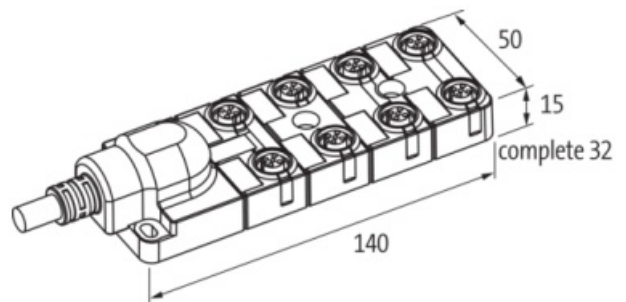
PUR/PVC

10.0 m

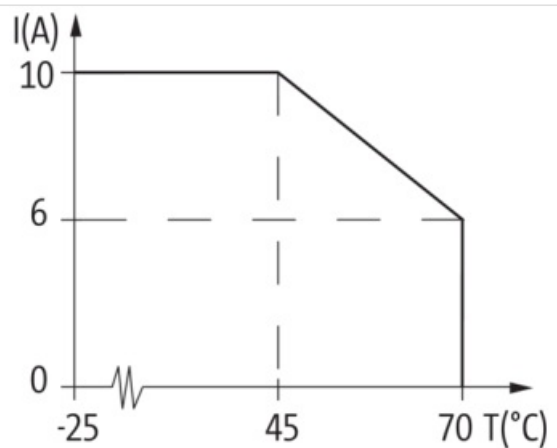
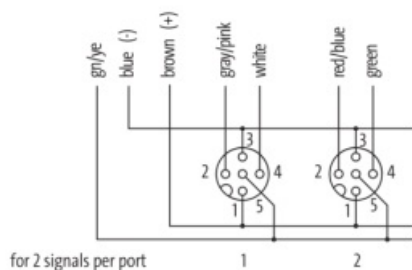
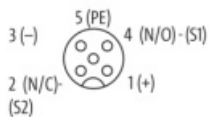
Further cable lengths on request.

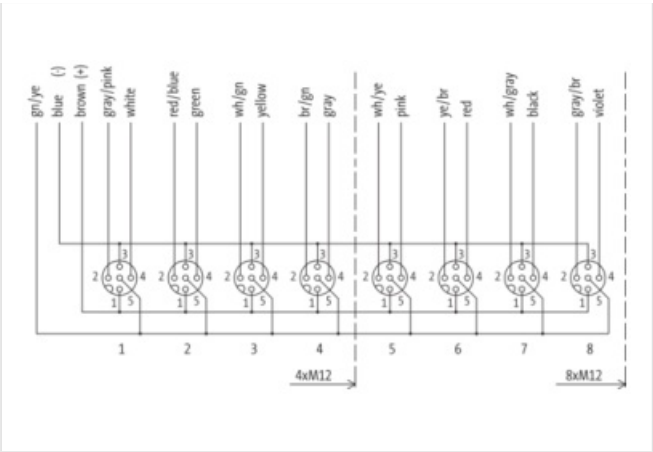
Plastic housings with good resistance against chemicals and oils.

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

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

M12-Females 5-pole





Product may differ from Image



Header	
Material short text	MVP12N-AN8F398 10.0m-XA
Commercial data	
URL Webshop	https://shop.murrelektronik.com/8000-88512-3981000
GTIN	4048879053891
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
customs tariff number	85444290
EAN	4048879053891
Packaging unit	1
Electrical data Supply	
Operating voltage AC	125 V
Operating voltage DC	125 V
Current operating per contact max.	4 A
Installation Connection	

Mounting set M12 x 1

Device protection | Electrical

Degree of protection (EN IEC 60529) IP67, IP65

Device protection | Media

Flame resistance flame retardant

Mechanical data | Material data

Material housing Plastic

Mechanical data | Mounting data

Mounting method Schraubgewinde

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

Amount stranding 1

Stranding 7 wires around core filler twisted

Amount stranding (type 2) 1

Stranding (type 2) 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 165 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 CFC-free, cadmium-free, silicone-free, lead-free

Amount strands (wire) 19

Diameter of single wires 0.15 mm

Conductor crosssection (wire) 0.34 mm²

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

Material properties wire insulation (type 2) good machinability

Ingredient freeness wire insulation (type 2) cadmium-free, silicone-free, lead-free, CFC-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 mm²

Material conductor wire (type 2) Stranded copper wire, bare

Wire conductor type (type 2) strand class 6

Electrical function wire (type 2) Power

Shore hardness wire insulation (type 3) 43

Outer-diameter (jacket) 10 mm

Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	87 ± 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Material inner jacket	PVC
Color (inner jacket)	gray
Conductor resistance (wire)	57 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 min. wire	4 A
Current load capacity min. Wire (type 2)	12 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	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	resistant to hydrolysis, resistant to microbes, good resistance to gasoline
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/s² @ 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