

## Exact12, 8xM12, 5-pole, moulded cable

15.0m PUR 16x0.5+3x1.0, UL/CSA

8-way, 5-pole 15.0 m ATEX Zone 2 and 22

Further cable lengths on request.

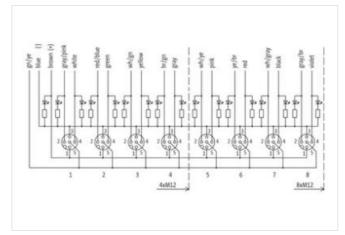
Plastic housings with good resistance against chemicals and oils.

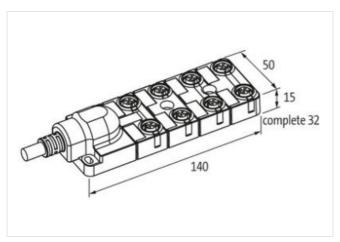
The resistance to aggressive media should be individually tested for your application. Further details on request.

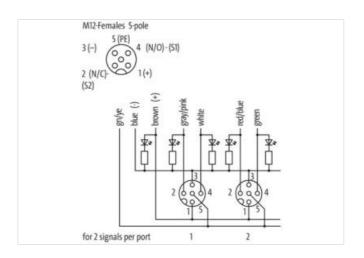
## **Link to Product**

## Illustration









Product may differ from Image











Commercial data		
ECLASS-6.0	27143423	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	



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ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879655637
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
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
·	Diantia
Material housing	Plastic
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics   Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	40 °C
Operating temperature max.  Additional condition temperature range	40 °C depending on cable quality
Additional condition temperature range	
Additional condition temperature range  Installation   Cable	depending on cable quality
Additional condition temperature range  Installation   Cable  Cable identification	depending on cable quality 452
Additional condition temperature range  Installation   Cable  Cable identification  Jacket Color	depending on cable quality  452 gray
Additional condition temperature range  Installation   Cable  Cable identification  Jacket Color  Type of Certificate	depending on cable quality  452 gray cURus
Additional condition temperature range  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding	depending on cable quality  452 gray cURus 1
Additional condition temperature range  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding	depending on cable quality  452 gray cURus 1 7 wires around Core filler twisted
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Additional condition temperature range  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Banding  Filler  wire arrangement	depending on cable quality  452  gray  cURus  1  7 wires around Core filler twisted  1  12 wires counter-rotating twisted  Fleece  yes  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)
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Additional condition temperature range  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Banding  Filler  wire arrangement  Cable weigth  Material jacket	depending on cable quality  452 gray cURus  1 7 wires around Core filler twisted  1 12 wires counter-rotating twisted Fleece yes 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)  231 g/m PUR
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Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Outer diameter tolerance core insulation Shore hardness wire insulation	depending on cable quality  452  gray  cURus  1  7 wires around Core filler twisted  1  12 wires counter-rotating twisted Fleece  yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D



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Conductor crosssection (wire)	0,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	2,1 mm
Tolerance outer diameter wire insulation (data)	•
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	3
	128
Amount strands wire (Data)	
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	1 mm²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data)	15 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Connection type 2	
Family construction form	free cable end
No. of poles	19
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE
1 114 0	1 -