

## **EXACT8, 10XM8, 4 POLE MOULDED CABLE**

10.0m PUR 20\*0,34+2\*0,75 exit norm..

10-way, 4-pole 10.0 m

Further cable lengths on request.

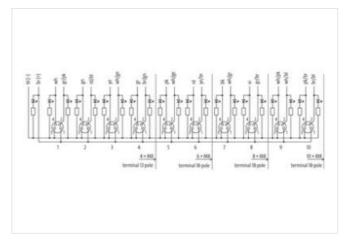
Plastic housings with good resistance against chemicals and oils.

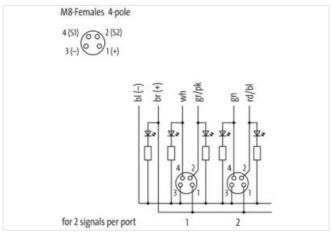
The resistance to aggressive media should be individually tested for your application. Further details on request.

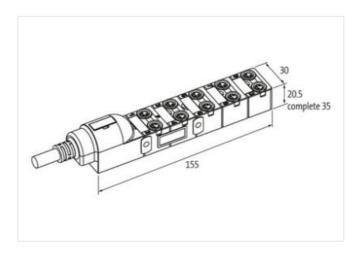
## **Link to Product**

## Illustration









Product may differ from Image







Commercial data		
ECLASS-6.0	27279219	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number GTIN	85444290
	4048879056700
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Current operating per contact max.	2 A
Total current max.	8 A
Industrial communication	
Number of signals per port	2
Installation   Connection	
Mounting set	M8 x 1
Device protection   Electrical	
	IDES IDES
Degree of protection (EN IEC 60529)	IP65, IP67
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
Material housing	Plastic
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics   Climatic	
Environmental characteristics   Climatic Operating temperature min.	-20 °C
Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	-20 °C 80 °C
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	-20 °C
Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	-20 °C 80 °C
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	-20 °C 80 °C
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable	-20 °C 80 °C depending on cable quality
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification	-20 °C 80 °C depending on cable quality 411
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding	-20 °C 80 °C depending on cable quality  411 gray cURus 1 8 wires around Core filler twisted
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2)	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted  Fleece
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted  Fleece  yes
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted  Fleece
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted  Fleece  yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted  Fleece  yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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 Shore hardness jacket	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted Fleece  yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)  171,6 g/m  PUR  89 ± 5 Shore A
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted Fleece  yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)  171,6 g/m  PUR  89 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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 Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	-20 °C 80 °C depending on cable quality  411 gray cURus 1 8 wires around Core filler twisted 1 14 wires around Stranding combination twisted Fleece yes violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink) 171,6 g/m PUR 89 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 11,3 mm
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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 Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted Fleece yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)  171,6 g/m  PUR  89 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free  11,3 mm  ± 5 %
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount 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	-20 °C 80 °C depending on cable quality  411 gray cURus 1 8 wires around Core filler twisted 1 14 wires around Stranding combination twisted Fleece yes violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink) 171,6 g/m PUR 89 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 11,3 mm
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Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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 Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted Fleece yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)  171,6 g/m  PUR  89 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free  11,3 mm  ± 5 %  TPE-E  20  1,4 mm
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount 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 Amount wires Outer diameter insulation Outer diameter tolerance core insulation	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted Fleece yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)  171,6 g/m  PUR  89 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free  11,3 mm  ± 5 %  TPE-E  20  1,4 mm  ± 5 %
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 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 Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	-20 °C  80 °C  depending on cable quality  411  gray  cURus  1  8 wires around Core filler twisted  1  14 wires around Stranding combination twisted Fleece yes  violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)  171,6 g/m  PUR  89 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free  11,3 mm  ± 5 %  TPE-E  20  1,4 mm



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Traversing distance (C-track)	5 m @ 25 °C   horizontal
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 (Data)	TPE-E
Outer diameter wire insulation (Data)	1.8 mm
Tolerance outer diameter wire insulation (data)	•
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free
	2
Amount wires (Data)	
Amount strands wire (Data)	24
Diameter of single wires (Data)	0,2 mm
Conductor crosssection wire (Data)	0,75 mm <sup>2</sup>
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	Strand class 5
Max. rated voltage (conductor - conductor)	300 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Current load capacity min. Wire (Data)	12 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
Connection type 2	
Family construction form	free cable end
No. of poles	20
Family construction form	M8
Gender	female
Color contact carrier	black
Coding	A
No. of poles	4
PIN 1	+
PIN 2	\$2
PIN 3	-
PIN 4	\$1