

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

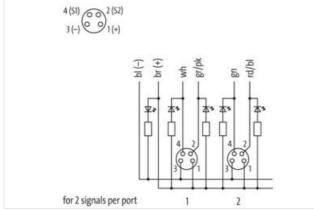
10.0m PUR 20x0,34+2x0,75

10-way, 4-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





30 20.5 complete 35

Product may differ from Image



## Commercial data

ECLASS-6.0         27279219           ECLASS-6.1         27279219           ECLASS-7.0         27279219		
	27279219	
ECLASS-7.0 27279219	27279219	
	27279219	
ECLASS-8.0 27279219	27279219	

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ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879056632
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	
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
· · ·	-20 °C 80 °C
Operating temperature min.	
Operating temperature min. Operating temperature max.	80 °C
Operating temperature min. Operating temperature max. Additional condition temperature range	80 °C
Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable	80 °C depending on cable quality 411
Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color	80 °C depending on cable quality 411 gray
Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification	80 °C depending on cable quality 411
Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate	80 °C depending on cable quality 411 gray cURus
Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding	80 °C depending on cable quality 411 gray cURus 1
Operating temperature min. Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding	80 °C depending on cable quality 411 gray cURus 1 8 wires around Core filler twisted
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)	80 °C depending on cable quality 411 gray cURus 1 8 wires around Core filler twisted 1
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)	80 °C         depending on cable quality         411         gray         cURus         1         8 wires around Core filler twisted         1         1 wires around Stranding combination twisted
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         Banding	80 °C         depending on cable quality         411         gray         cURus         1         8 wires around Core filler twisted         1         14 wires around Stranding combination twisted         Fleece
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         Filler	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-
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         Filler         wire arrangement	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)
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         Filler         wire arrangement         Cable weigth	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
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         Filler         wire arrangement         Cable weigth         Material jacket	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, gray-pink, pink)         171,6 g/m         PUR
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)         Standing         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket	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
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         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)	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, gray-pink, pink)         171,6 g/m         PUR         89 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
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         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)	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
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         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)	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 %
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         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation	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
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	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
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	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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Ingradiant fragment wire insulation	lead free eadmium free CEC free holegon free
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free 19
Amount strands (wire)	0,15 mm
Diameter of single wires Conductor crosssection (wire)	
	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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
Amount wires (Data)	2
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	S2
PIN 3	-
PIN 4	S1

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