

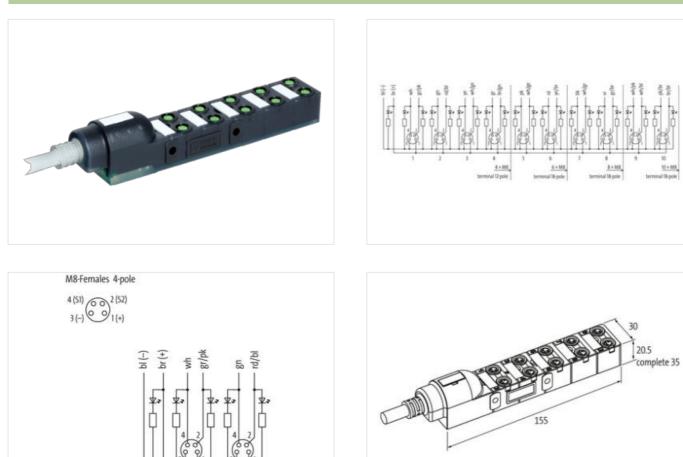
## EXACT8, 10XM8, 4 POLE MOULDED CABLE

3.0m PUR 20\*0,34+2\*0,75 exit norm..

10-way, 4-pole 3.0 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

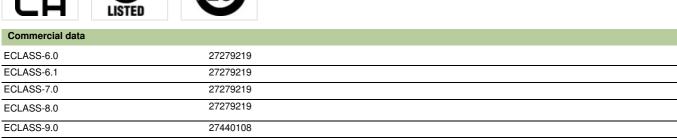
Illustration



Product may differ from Image

for 2 signals per port





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: 2024-05-10

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Packaging unit     1       Electrical data   Suppiy     V       Current operating optigs DC     24 V       Current operating optigs DC     2A       Total current max.     8 A       Industrial communication     V       Number of signals per port     2       Installation   Connection     W& x 1       Device protection   Electrical     W       Device protection   Electrical     W       Device protection   Media     PE6, IP67       Device protection   Media     Hear restance       Item restance     fame retardant       Medical data   Material data     Medical (Material data       Medical catal   Material data     Schraubgewinde       Environmental characteristics   Comment     20 °C       Operating integrature max.     80 °C       Operating integrature max.     80 °C       Catal condition temporature rango     dupmrding on cable quality       Additional condition temporature rango     dupmrding on cable quality       Additional condition temporature rango     dupmrding on cable quality       Additional (tippe 2)     1       Stranding     1 <td></td> <td></td>		
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Installation     Max 1       Device protection [Electrical     People of protection (EN EC 60529)     People frot protection (EN EC 60	Industrial communication	
Mounting set     M8 x 1       Device protection   Electrical       Degree of protection (ENC 60529)     IP65, IP67       Device protection   Media     Ifame relatadant       Ename resistance     Ifame relatadant       Material housing     Plastic       Material housing     Plastic       Material housing     Plastic       Mechanical data   Mounting method     Schraubgewinde       Environmental characteristics   Climatic     Operating temperature min.     -20 °C       Operating temperature max.     80 °C     Additional condition temperature range     depending on cable quality       Installation   Cable     Cull     Schraubgewinde     Schraubgewinde       Stranding     1     Schraubgewinde     Schraubgewinde       Stranding     9 wires around Care filter twisted     Amount stranding (type 2)     1       Stranding (type 2)     1     Stranding combination twisted     Banding       Filter     yes     Schraubgewinde, temperature max.     Schraubgewinde, temperature max.       Stranding (type 2)     1     Stranding combination twisted     Banding       Banding     Fieece <th< td=""><td>Number of signals per port</td><td>2</td></th<>	Number of signals per port	2
Device protection   Electrical       Degree of protection (EN IEC 60529)     IP65, IP67       Device protection   Media     Itame resistance     Itame resistance       Flame resistance     Itame restardant       Mechanical data   Material data     Material housing     Plastic       Material housing     Plastic     Material housing     Plastic       Mouting method     Schraubgewinde     Environmental characteristics   Climatic     Coperating temperature max.     80 °C       Operating temperature max.     80 °C     Additional condition temperature range     depending on cable quality       Installation   Cable     Colf     Colf     Colf     Colf       Operating temperature max.     80 °C     Additional condition temperature range     depending on cable quality       Installation   Cable     Colf     gray     Trype of Colf     gray       Type of Colf     gray     gray     Trype of Colf     gray       Stranding     1     Stranding     Stranding (type 2)     1       Stranding (type 2)     1     Stranding combination twisted     Stranding (type 2)     1       Filter     ye	Installation   Connection	
Degree of protection (EN IEC 60529)     IP65, IP67       Device protection   Media     Flame relardant       Flame resistance     flame relardant       Mechanical data   Material data     Plastic       Mechanical data   Mounting data     Plastic       Mechanical data   Mounting data     Schraubgewinde       Environmental characteristics   Climatic     Conc       Operating temperature min.     -20 °C       Operating temperature max.     80 °C       Additional condition temperature max.     80 °C       Additional condite t	Mounting set	M8 x 1
Device protection   Media       Flame resistance     flame retardant       Material housing     Plastic       Material housing     Plastic       Mechanical data   Mounting data     Mounting method       Schraubgewinde     Environmental characteristics   Climatic       Operating temperature min.     -20 °C       Operating temperature max.     80 °C       Additional condition temperature max.     80 °C       Cable identification     411       Jacket Color     gray       Type of Cartificate     UBus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Banding     Fleece       Filler     yes       wide arrangement     violet, brown-pink, brown-gray, brown-green, red, yellow-white, yellow, green-white, white, gray-white, (brown, blue, brown- yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)       Cable weigth	Device protection   Electrical	
Device protection   Media       Flame resistance     flame retardant       Material housing     Plastic       Material housing     Plastic       Mechanical data   Mounting data     Mounting method       Schraubgewinde     Environmental characteristics   Climatic       Operating temperature min.     -20 °C       Operating temperature max.     80 °C       Additional condition temperature max.     80 °C       Cable identification     411       Jacket Color     gray       Type of Cartificate     UBus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Banding     Fleece       Filler     yes       wide arrangement     violet, brown-pink, brown-gray, brown-green, red, yellow-white, yellow, green-white, white, gray-white, (brown, blue, brown- yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)       Cable weigth	Degree of protection (EN IEC 60529)	IP65, IP67
Flame resistance     Itame retardant       Mechanical data [Material data       Material housing     Plastic       Mechanical data [Mounting data     Schraubgewinde       Mounting method     Schraubgewinde       Environmental characteristics   Climatic     Construct       Operating temperature min.     -20 °C       Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Construct retains       Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Construct retains       Operating temperature max.     80 °C       Addition (Cable     Cliffication       Installation   Cable     Cable identification       Installation   Cable     Struct retains       Stranding     8 wires around Stranding combination twisted       Amount stranding (type 2)     1       Stranding     Review around Stranding combination twisted       Bandrig     Fleece       Filler     yes       Weis arround Stranding combination twisted </td <td></td> <td></td>		
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Material housing     Plastic       Mechanical data   Mounting data     Schraubgewinde       Environmental characteristics   Climatic     Operating temperature min.     -20 °C       Operating temperature max.     80 °C     Additional condition temperature may.     80 °C       Additional condition temperature may.     80 °C     Conditional temperature may.     80 °C       Additional condition temperature may.     80 °C     Conditional temperature may.     80 °C       Cable identification     411     Jacket Color     gray.     Type of Centificate     CJRus       Amount stranding     1     Stranding type 2)     1     Stranding (type 2)     1       Stranding (type 2)     1     Hives around Stranding combination twisted     Banding     Fleece       Filler     yes		name retardant
Mechanical data   Mounting data       Mounting method     Schraubgewinde       Environmental characteristics   Climatic     Operating temperature min.     -20 °C       Operating temperature max.     80 °C     Additional condition temperature may.     80 °C       Additional condition temperature may.     80 °C     Additional condition temperature may.     80 °C       Additional condition temperature may.     depending on cable quality     Installation   Cable     Cable identification     411       Jacket Color     gray     Type of Certificate     CURus     Amount stranding     1       Stranding     8 wires around Core filler twisted     Amount stranding (type 2)     1     I       Stranding     Fleece     Flier     yes     Violet, brown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yeldow, green, red-blue, gray, brown-green, red, yellow-white, yellow, white, gray-white, white, gray-pink, pink)       Cable weigth     171.6 g/m     Material jacket     PUR       Shore hardness jacket     89 ± 5 Shore A     Freedom from ingredients (jacket)     Isa's Shore A       Freedom from ingredients (jacket)     11.3 mm     Tolerance outcle (sheath)     15 %	Mechanical data   Material data	
Mounting method     Schraubgewinde       Environmental characteristics   Climatic     -20 °C       Operating temperature max.     80 °C       Additional condition temperature max.     80 °C       Additional condition temperature may.     depending on cable quality       Installation   Cable     Cable identification       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Amount stranding (type 2)     1       Stranding (type 2)     14 wires around Stranding combination twisted       Banding     Fleece       Filler     yes       wire arrangement     violet, brown-pirak, brown-pirak, brown-gray, brown-blue, white-pirak, black, blue-white, gray-white, (brown, blue, brown- yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, white, gray-pink, pink)       Cable weight     171.6 g/m       Material jacket     PUR       Shore hardness jacket     89 ± 5 Shore A       Freedom from ingredients (jacket)     11,3 mm       Tolerance cuter diameter (sheath)     ± 5 %       Material wire insulation     1,4 mm	Material housing	Plastic
Environmental characteristics   ClimaticOperating temperature min20 °COperating temperature max.80 °CAdditional condition temperature may.depending on cable qualityInstallation   CableCable identificationCable identification411Jacket ColorgrayType of CartificatecURusAmount stranding1Stranding8 wires around Core filler twistedAmount stranding1Stranding (type 2)1BandingFleeceFilleryeswire arrangementviolet, brown-pirak, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (brown, blue, brown-yellow, green-white, white, gray-pink, pink)Cable weigth171.6 g/mMaterial jacketPURShore hardness jacket89 ± 5 Shore AFreedom from ingradients (jacket)11.3 mmTolerance outer diameter (jacket)11.3 mmTolerance outer insulationTPE-EAmount wires20Outer diameter (isolation)± 5 %Shore hardness wire insulation5 ± 5 Shore D	Mechanical data   Mounting data	
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Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Cable identification       Cable identification     411       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Amount stranding (type 2)     1       Stranding (type 2)     14 wires around Stranding combination twisted       Banding     Fleece       Filler     yes       wire arrangement     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)       Cable weigth     171,6 g/m       Material jacket     PUR       Shore hardness jacket     89 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free       Outer-diameter (jacket)     11,3 mm       Tolerance outer diameter (sketh)     ± 5 %       Material wire insulation     TPE-E       Amount wires     20	Environmental characteristics   Climatic	
Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Cable identification       Cable identification     411       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Amount stranding (type 2)     1       Stranding (type 2)     14 wires around Stranding combination twisted       Banding     Fleece       Filler     yes       wire arrangement     violet, frown-pink, brown-gray, brown-blue, white-pink, black, blue-white, gray-white, (prown, blue, brown- yellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)       Cable weigth     171,6 g/m       Material jacket     PUR       Shore hardness jacket     89 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free       Outer-diameter (jacket)     11,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     TPE-E       Amount wires     20 <td>Operating temperature min.</td> <td>-20 °C</td>	Operating temperature min.	-20 °C
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Amount stranding (type 2)1Stranding (type 2)14 wires around Stranding combination twistedBandingFleeceFilleryeswire arrangementviolet, 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)Cable weigth171,6 g/mMaterial jacketPURShore hardness jacket89 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D		
BandingFleeceFilleryeswire arrangementviolet, 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)Cable weigth171,6 g/mMaterial jacketPURShore hardness jacket89 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	-	1
BandingFleeceFilleryeswire arrangementviolet, 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)Cable weigth171,6 g/mMaterial jacketPURShore hardness jacket89 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	Stranding (type 2)	14 wires around Stranding combination twisted
vire arrangementviolet, 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)Cable weigth171,6 g/mMaterial jacketPURShore hardness jacket89 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D		
wire arrangementyellow, green, red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink)Cable weigth171,6 g/mMaterial jacketPURShore hardness jacket89 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	Filler	yes
Material jacketPURShore hardness jacket89 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	wire arrangement	
Shore hardness jacket89 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	Cable weigth	171,6 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	Material jacket	PUR
Outer-diameter (jacket)11,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	Shore hardness jacket	89 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires20Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Material wire insulation TPE-E   Amount wires 20   Outer diameter insulation 1,4 mm   Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 55 ± 5 Shore D	Outer-diameter (jacket)	11,3 mm
Amount wires 20   Outer diameter insulation 1,4 mm   Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 55 ± 5 Shore D	Tolerance outer diameter (sheath)	
Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore D		
Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 55 ± 5 Shore D		
Shore hardness wire insulation 55 ± 5 Shore D		
Ingredient treeness wire insulation lead-tree, cadmium-free, CFC-free, halogen-free		
	Ingredient freeness wire insulation	lead-tree, cadmium-tree, CFC-tree, halogen-free

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: 2024-05-10

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Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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)	±5%
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)	2° 08
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	2° 08
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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