

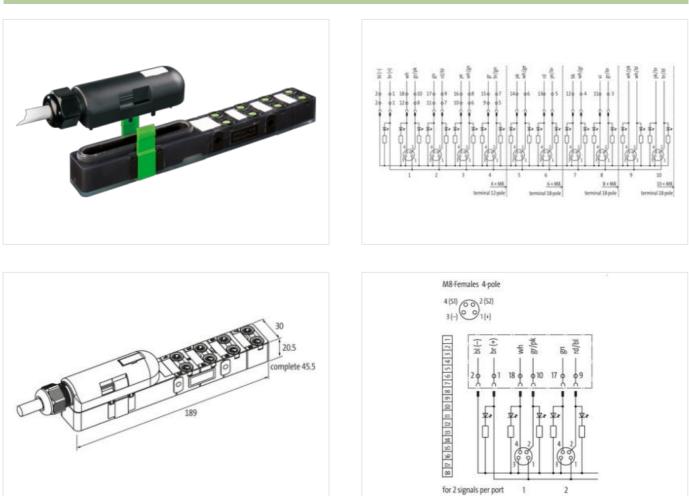
## EXACT8, 8XM8, 4 POLE PLUG. CAP, SPRING-TERM.

3.0m PUR 16x0,34+2x0,75, UL/CSA

8-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



Commercial data		
ECLASS-6.0	27143423	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

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ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879054386
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)	IP67
Additional condition protection degree	screwed, mounted
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 min. Operating temperature max.	-20 °C 80 °C
Operating temperature max.	80 °C
Operating temperature max. Additional condition temperature range	80 °C
Operating temperature max. Additional condition temperature range Installation   Cable	80 °C depending on cable quality 396
Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color	80 °C depending on cable quality
Operating temperature max. Additional condition temperature range Installation   Cable Cable identification	80 °C depending on cable quality 396 gray
Operating temperature max. Additional condition temperature range Installation   Cable Cable identification Jacket Color Type of Certificate	80 °C depending on cable quality 396 gray cURus, CSA
Operating temperature max.         Additional condition temperature range         Installation   Cable         Cable identification         Jacket Color         Type of Certificate         Amount stranding	80 °C depending on cable quality 396 gray cURus, CSA 1
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 396 gray cURus, CSA 1 6 wires around Core filler twisted
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 396 gray cURus, CSA 1 6 wires around Core filler twisted 1
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         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         1 vires around Stranding combination twisted
Operating temperature max.         Additional condition temperature range         Installation   Cable         Cable identification         Jacket Color         Type of Certificate         Amount stranding         Stranding         Amount stranding (type 2)         Stranding	80 °C         depending on cable quality         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece
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 396 gray cURus, CSA 1 6 wires around Core filler twisted 1 12 wires around Stranding combination twisted Fleece yes gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-
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         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)
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         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)         143 g/m
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         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)         143 g/m         PUR
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         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)         143 g/m         PUR         89 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         10,4 mm
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)	80 °C         depending on cable quality         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)         143 g/m         PUR         89 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         10,4 mm         ± 5 %
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	80 °C         depending on cable quality         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow, white)         143 g/m         PUR         89 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         10,4 mm         ± 5 %         TPE-E
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         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)         143 g/m         PUR         89 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         10,4 mm         ± 5 %         TPE-E         16
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         Amount wires         Outer diameter insulation	80 °C         depending on cable quality         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)         143 g/m         PUR         89 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         10,4 mm         ± 5 %         TPE-E         16         1,5 mm
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         396         gray         cURus, CSA         1         6 wires around Core filler twisted         1         12 wires around Stranding combination twisted         Fleece         yes         gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)         143 g/m         PUR         89 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         10,4 mm         ± 5 %         TPE-E         16

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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 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)	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)	42
Diameter of single wires (Data)	0,15 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 6
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
	-5 °C 80 °C
Operating temperature max. (dynamic)	
Flame resistance	
	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing Good, application-related testing
Gasoline resistance Oil resistance	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404
Gasoline resistance Oil resistance Bending radius (installation)	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter
Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed)	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter
Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic)	Good, application-related testing         Good, application-related testing         Good, application-related testing   DIN EN 60811-404         x Outer diameter         7,5 x Outer diameter         10 x Outer diameter
Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed)	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter
Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic)	Good, application-related testing         Good, application-related testing         Good, application-related testing   DIN EN 60811-404         x Outer diameter         7,5 x Outer diameter         10 x Outer diameter
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)	Good, application-related testing         Good, application-related testing         Good, application-related testing   DIN EN 60811-404         x Outer diameter         7,5 x Outer diameter         10 x Outer diameter
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2	Good, application-related testing         Good, application-related testing         Good, application-related testing   DIN EN 60811-404         x Outer diameter         7,5 x Outer diameter         10 x Outer diameter         5 Mio. @ 25 °C
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C free cable end
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C free cable end 10
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles         Family construction form	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C free cable end 10 M8
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles         Family construction form         Gender	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C free cable end 10 M8 female
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles         Family construction form         Gender         Color contact carrier	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C free cable end 10 M8 female black
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles         Family construction form         Gender         Color contact carrier         Coding	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C free cable end 10 M8 female black A
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles         Family construction form         Gender         Color contact carrier         Coding         No. of poles         PIN 1	Good, application-related testing         Good, application-related testing   DIN EN 60811-404         x Outer diameter         7,5 x Outer diameter         10 x Outer diameter         5 Mio. @ 25 °C         Image: Second S
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles         Family construction form         Gender         Color contact carrier         Coding         No. of poles	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 × Outer diameter 7,5 × Outer diameter 10 × Outer diameter 5 Mio. @ 25 °C free cable end 10 M8 female black A 4 +
Gasoline resistance         Oil resistance         Bending radius (installation)         Bending radius (fixed)         Bending radius (dynamic)         Travel speed (C-track)         Connection type 2         Family construction form         No. of poles         Family construction form         Gender         Color contact carrier         Coding         No. of poles         PIN 1         PIN 2	Good, application-related testing Good, application-related testing Good, application-related testing   DIN EN 60811-404 x Outer diameter 7,5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C free cable end 10 M8 female black A 4 + \$ 2

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