

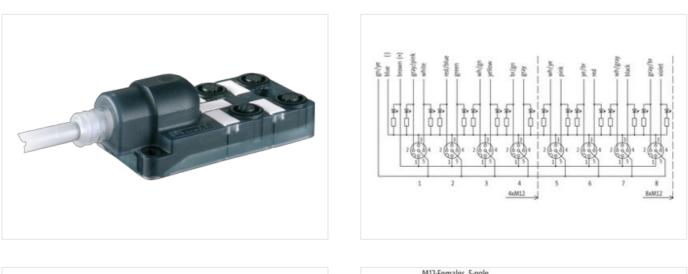
## EXACT12, 4XM12, 5-POLE, MOULDED CABLE

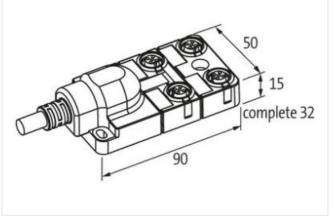
5.0m PUR 8x0,5+3x1,0, UL/CSA

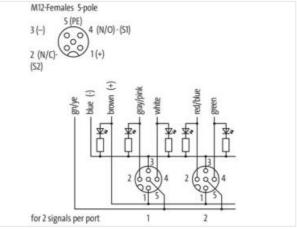
4-way, 5-pole 5.0 m Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## 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: 2024-05-17

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ECLASS 11.1     27440108       ECLASS 12.0     27440108       Eclassing Information     8644250       Carlon Mark     4488759572       Packaging unit     1       Electrical datal Suppix     Carlon Mark       Carrent operation per constorman.     4 A       Installation Internation     M12 x 1       Device protection Internation     M12 x 1       Device protection Internation     Internation       Marcenation     Marcenation       Marcenation     Internation       Marcenation     Internation       Marcenation     Schaubpervinde       Environmental characteristics (Classics     Concenting temperature max.       Operating temperature max.     20 °C       Carenting temperature max.     20 °	ECLASS-10.1	27440108		
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Installation   Connection     Mult x 1       Device protection   Electrical     Electrical (Electrical (Ele				
Mutring set     M12 x 1       Device protection I, Electrical     IPe6, IP67       Device protection I, Media     IPe6, IP67       Device protection I, Media     Itame relationt       Heare cestation     Itame relationt       Material housing     Plastic       Material housing     Plastic       Material housing     Plastic       Mutring methy     Schraubgewinde       Environmental characteristics I Climatic     Comparing temperature min.       Operating temperature min.     -20 °C       Operating temperature min.     -20 °C       Operating temperature max.     70 °C       Additional condition temperature may.     448       Lasket Color     gray       Type of Certificate     URus       Amount standing     1       Stranding factor min.     51 mm       Stranding factor min.     51 mm       Stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination counter-rotating twisted       Stranding factor max.     51 mm       Stranding factor max.     51 mm       Stranding factor max. <td< td=""><td>Current operating per contact max.</td><td>4 A</td></td<>	Current operating per contact max.	4 A		
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Degree of protection (EN IEC 60529)     IP65, IP67       Device protection   Media     flame retardant       Mechanical data   Material data     Image: Plastic       Metrial Incuising     Plastic       Mechanical data   Mounting data     Image: Plastic       Mounting method     Schraubgewinde       Environmental characteristics   Climatic     20 °C       Operating temperature max.     70 °C       Addition condition temperature max.     70 °C       Additional condition temperature may.     70 °C       Cable identification     448       Jacket Color     gray       Type of Color     gray       Type of Color     gray       Type of corrina.     51 mm       Stranding     1       Stranding (type 2)     1       Stranding (type 2)     100 mm       Stranding factor mix.     51 mm       Stranding factor mix.     50 mm       Stranding factor mix.     51 mm       Stranding factor mix.     100 mm       Stranding factor mix.     51 mm       Additional factor mix.     100 mm       Stranding f	Mounting set	M12 x 1		
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Device protection   Media       Fiam resistance     fiam retardant       Material housing     Plastic       Mochanical data   Mouring data     Plastic       Mounting method     Schraubgewinde       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     20 °C       Operating temperature man.     70 °C       Additonal condition temperature range     depending on cable quality       Details (Interperature man.     70 °C       Cable (Identification     448       Jacket Color     gray       Type of Contificate     CURus       Amount stranding     1       Stranding factor min.     51 mm       Stranding (type 2)     10 mm       Stranding (type 2)     10 mm       Stranding (type 2)     100 mm       Stranding factor max.     51 mm       Stranding factor max.     51 mm       Stranding factor max.     100 mm       Stranding factor m	Degree of protection (EN IEC 60529)	IP65. IP67		
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Mechanical data   Material data       Material housing     Plastic       Mechanical data   Mounting data       Mounting method     Schraubgewinde       Environmental characteristics   Climatic     20 °C       Operating temperature max.     70 °C       Additional condition temperature may.     depending on cable quality       Installation   Cable     Cable identification       Additional condition temperature may.     70 °C       Cable identification     448       Jacket Color     gray       Type of Certificate     cURus       Arrount stranding     1       Stranding factor max.     51 mm       Stranding factor max.     51 mm       Anomust stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination counter-rotating twisted       Stranding factor max.     51 mm       Banding     Fleece       Filler     yes       Stranding factor max. (type 2)     100 mm       Banding     Fleece       Filler     yes       Stranding factor max. (type 2)     100 mm       Banding <t< td=""><td>• •</td><td></td></t<>	• •			
Material housing     Plastic       Mechanical data   Mounting data     Schraubgewinde       Environmental characteristics   Climatic     Constitution       Operating temperature min.     -20 °C       Operating temperature max.     70 °C       Additional condition temperature max.     70 °C       Additional condition temperature max.     70 °C       Cable identification     448       Jacket Color     gray       Type of Centificate     cURus       Amount stranding     1       Stranding factor max.     51 mm       Amount stranding (type 2)     1       Stranding factor max.     51 mm       Amount stranding (type 2)     1       Stranding factor max.     51 mm       Mount stranding (type 2)     100 mm       Barcling factor max. (type 2)     100 mm       Barcling factor max. (type 2)     100 mm		Tiame retardant		
Mechanical data   Mounting data       Mounting method     Schraubgewinde       Environmental characteristics   Climatic     Construction       Operating temperature min.     -20 °C       Operating temperature max.     70 °C       Additional condition temperature max.     70 °C       Cable identification     448       Jacket Color     gray       Type of Confificate     cJHus       Amount stranding     1       Stranding factor min.     51 mm       Stranding factor max.     51 mm       Amount stranding (type 2)     1       Stranding factor max.     51 mm       Stranding torpe 7)     100 mm       Stranding torpe 2)     100 mm       Stranding factor max. (type 2)     100 mm       Stranding factor max. (type 2)     100 mm       Stranding factor max. (type 3)     100 mm       Stranding factor max. (type 4)     100 mm       Stranding factor max. (type 2)     100 mm       Stranding factor max. (type 2)     100 mm       Stranding factor max. (type 3)     100 mm       Stranding factor max. (type 4)     100 mm  <	Mechanical data   Material data			
Mounting method     Schraubgewinde       Environmental characteristics   Climatic     Co       Operating temperature min.     -20 °C       Operating temperature max.     70 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Cable identification       Zacket Color     gray       Type of Centificate     cJPusc       Amount stranding     1       Stranding factor max.     51 mm       Stranding factor max.     51 mm       Amount stranding (type 2)     9 wires around Stranding combination counter-rotating twisted       Stranding factor max.     51 mm       Amount stranding (type 2)     100 mm       Stranding factor max.     9 wires around Stranding combination counter-rotating twisted       Stranding factor max.     100 mm       Banding     Fleece       Filler     yes       wire arrangement     white, yellow, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) <td< td=""><td>Material housing</td><td>Plastic</td></td<>	Material housing	Plastic		
Environmental characteristics   Climatic       Operating temperature min.     -20 °C       Operating temperature max.     70 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Cable identification       Cable identification     448       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding factor min.     51 mm       Stranding factor min.     51 mm       Amount stranding (type 2)     9 wires around Stranding combination counter-rotating twisted       Stranding factor min.     51 mm       Atmount stranding (type 2)     9 wires around Stranding combination counter-rotating twisted       Stranding factor min. (type 2)     100 mm       Stranding factor max. (type 2)     100 mm       Banding     Fleece       Filier     yes       wire arrangement     white, yellow, (blue, brown, green -yellow, gray, gray-pink, red-blue, green, green-white, brown-green)       Cabe weigth     146.3 (in       Material jacket     PUR       Shore hardness jacket     94 ± 5 Shore A       Freece	Mechanical data   Mounting data			
Environmental characteristics   Climatic       Operating temperature min.     -20 °C       Operating temperature max.     70 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Cable identification       Cable identification     448       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding factor min.     51 mm       Stranding factor min.     51 mm       Amount stranding (type 2)     9 wires around Stranding combination counter-rotating twisted       Stranding factor min.     51 mm       Atmount stranding (type 2)     9 wires around Stranding combination counter-rotating twisted       Stranding factor min. (type 2)     100 mm       Stranding factor max. (type 2)     100 mm       Banding     Fleece       Filier     yes       wire arrangement     white, yellow, (blue, brown, green -yellow, gray, gray-pink, red-blue, green, green-white, brown-green)       Cabe weigth     146.3 (in       Material jacket     PUR       Shore hardness jacket     94 ± 5 Shore A       Freece	Mounting method	Schraubgewinde		
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וואסטוניות ווכבווכס אוויט ווסטומווטוו ווכמערווכב, טמעווועווריוכב, טו טרווכב, וומטעבויווכב, שוועטוביווכב, באבטיווכב				
	mgrouont nooness wire institution	ויטע וויט, טענווועווו וויט, טי ט וויט, וועוטפרויונכ, אוועטווכיווככ, ברשטיווכנ		

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Amount strands (wire)	64
Diameter of single wires	0.1 mm
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 ± 3 Shore D
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	
Amount strands wire (Data)	128
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	1 mm <sup>2</sup>
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
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
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)	90 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	0° 0°
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
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	0,5 Mio.
Torsion stress	± 180 °/m
Connection type 2	
Family construction form	free cable end
No. of poles	11
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
-	

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