

stay connected

## EXACT12, 4XM12, 1:1, FIXED CABLE

3.0m PUR/PVC 16x0,34+3X0.75

4-way UNIVERSAL 3.0 m pre-wired homerun cable without LED Further cable lengths on request.

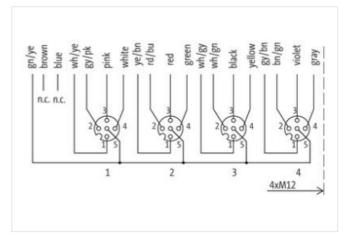
Plastic housings with good resistance against chemicals and oils.

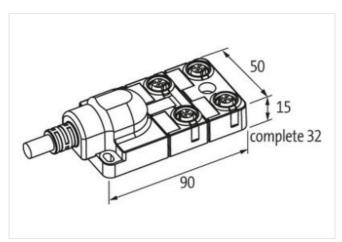
The resistance to aggressive media should be individually tested for your application. Further details on request.

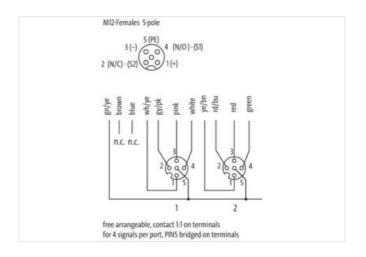
## **Link to Product**

## Illustration









Product may differ from Image









Commercial	data
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ECLASS-6.0	27279219
ECLASS-6.1	27279219
ECLASS-7.0	27279219



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ECLASS-8.0	27279219
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	4048879055369
Packaging unit	1
Electrical data   Supply	
Operating voltage AC	42 V
Operating voltage DC	42 V
Current operating per contact max.	4 A
	4 A
Installation   Connection	
Mounting set	M12 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
	Plastic
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
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	398
Cable Type	2
Jacket Color	gray
Type of Certificate	cURus
STOOW style jacket	Hybrid, Signal, Power
Amount stranding	1
Stranding	7 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	12 wires around Stranding combination twisted
wire arrangement	white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow)
Cable weigth	165 g/m
Material jacket	PUR
Shore hardness jacket	87 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	10 mm
Tolerance outer diameter (sheath)	±5%
Material inner jacket	PVC
Color (inner jacket)	gray
Material wire insulation	PVC
Amount wires	16
Outer diameter insulation	1,3 mm
Outer diameter tolerance core insulation	±5%



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Shore hardness wire insulation	43 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Material wire insulation (Power)	PVC
Outer diameter wire insulation (Power)	1,8 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Shore hardness wire insulation (Power)	43±5 Shore D
Material properties wire insulation (Power)	good machinability
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands wire (Power)	42
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	0,75 mm²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Travel speed (C-track)	3
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
Loop resistance	7.8 A
Max. rated voltage power (conductor - ground)	300 V
wax. rated voltage power (conductor - ground)	
Max. rated voltage power (conductor - conductor)	300 V
Max. rated voltage power (conductor -	
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power	300 V
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)	300 V 2 kV @ 60 s
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)	300 V 2 kV @ 60 s 2 kV @ 60 s
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)	300 V 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)	300 V 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing   DIN EN 60811-404
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing   Good, application-related testing   DIN EN 60811-404  5 x Outer diameter
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing   Good, application-related testing   DIN EN 60811-404  5 x Outer diameter
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form  No. of poles	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  free cable end  8
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form  No. of poles  Family construction form	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  free cable end  8  free cable end
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form  No. of poles  Family construction form	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  free cable end  8  free cable end  19
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form  No. of poles  Family construction form  No. of poles  Family construction form	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  free cable end  8  free cable end  19  M12
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form  No. of poles  Family construction form  No. of poles  Family construction form  No. of poles  Family construction form  Gender	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  free cable end  8  free cable end  19  M12  female
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form  No. of poles  Family construction form  No. of poles  Family construction form  Cender  Color contact carrier	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing   Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  10 x Outer diameter  19  M12  female  black
Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Oil resistance  Bending radius (fixed)  Bending radius (dynamic)  Connection type 4  Family construction form  No. of poles  Family construction form  No. of poles  Family construction form  No. of poles  Family construction form  Gender	300 V  2 kV @ 60 s  2 kV @ 60 s  -30 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  free cable end  8  free cable end  19  M12  female



PIN 1	<b>§</b> 1	
PIN 2	S 2	
PIN 3	S 3	
PIN 4	S 4	
PIN 5	PE	
Family construction form	M8	
Gender	female	
Color contact carrier	black	
Coding	A	
No. of poles	3	
PIN 1	+	
PIN 3	-	
PIN 4	S	