

stay connected

## **EXACT12, 8XM12, 5-POLE, MOULDED CABLE**

5.0m PUR/PVC 16x0,34+3X0.75, UL/CSA

8-way, 5-pole PUR/PVC Homerun cable with spring clamp terminals 5.0 m 11/12-pole

Further cable lengths on request.

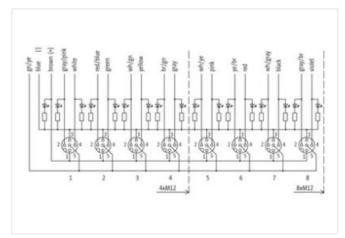
Plastic housings with good resistance against chemicals and oils.

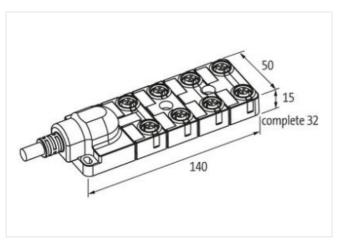
The resistance to aggressive media should be individually tested for your application. Further details on request.

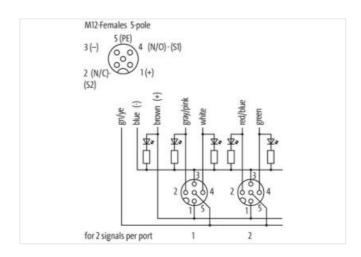
## **Link to Product**

## Illustration









Product may differ from Image









## Commercial data

ECLASS-6.0	27143423
ECLASS-6.1	27279219



stay connected

ECLASS-7.0	27270210
ECLASS-7.0	27279219 27279219
ECLASS-9.0	27440108
ECLASS-9.0 ECLASS-10.1	27440108
ECLASS-10.1	
ECLASS-11.1 ECLASS-12.0	27440108 27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879408011
Packaging unit	1
	1
Electrical data   Supply	
Operating voltage DC	24 V
Current operating per contact max.	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
	name relatuant
Mechanical data   Material data	
Material housing	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
Function cable	Hybrid, Signal, Power
Jacket Color	gray
Type of Certificate	cURus
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 %
reservation datas diameter (esteatis)	DVO.
Material inner jacket	PVC
	gray
Material inner jacket	
Material inner jacket Color (inner jacket)	gray
Material inner jacket Color (inner jacket) Material wire insulation	gray PVC



stay connected

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    Material conductor wire   Stranded copper wire, bare    Conductor type (wire)   0,34 mm²    Material conductor type (wire)   PVC    Outer diameter wire insulation (Power)   1,8 mm    Tolerance outer diameter wire insulation (Power)   455 Shore D    Material properties wire insulation (Power)   420 Shore bandwise (Power)	Shore hardness wire insulation	43 ± 5 Shore D
Ingredient freeness wire insulation	Material properties wire insulation	good machinability
Amount strands (wire)   19   0,15 mm		·
Diameter of single wires		
Conductor crosssection (wire) Material conductor wire Stranded opper wire, barre Conductor type (wire) Stranded opper wire, barre Conductor type (wire) Material wire insulation (Power) Duter diameter wire insulation (Power) 1,8 mm Tolerance outer dameter wire insulation (Power) Material properties wire insulation (Power) Material conductor vire (Power) Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - oronductor) Max. rated voltage (wire - vire) Max. rated vol		
Material conductor wire   Stranded copper wire, barre		,
Conductor type (wire)		·
Material wire insulation (Power)         PVC           Outer diameter wire insulation (Power)         1,8 mm           Tolevance outer diameter wire insulation (Power)         45 %           Shore hardness wire insulation (Power)         43±5 Shore D           Material properties wire insulation (Power)         good machinability           Ingredient freeness wire insulation (Power)         18ad-free, cadmium-free, CFC-free, silicone-free           Amount strands wire (Power)         42           Diameter of single wires (Power)         0,15 mm           Wire conductor overs section (Power)         0,75 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Max. rated voltage (conductor - ground)         300 V           Current load capacity min. wire         4 A           Current load capacity min. wire         4 A           Current load capacity min. wire         4 A           Electrical resistance costing wire (Power)         25 New @20 °C           Electrical resistance costing wire (Power)         25 Okm @20 °C           Recital resistance costing wire (Power)         25 Okm @20 °C           Power frequency withstand voltage (wire - pickel)         2 kV @ 60 s           packel)         80 °C		
Outer diameter wire insulation (Power)         1,8 mm           Tolerance outer diameter wire insulation (Power)         25 %           Shore hardness wire insulation (Power)         43.5 Shore D           Material properties wire insulation (Power)         good machinability           Ingredient freeness wire insulation (Power)         3           Amount wires (Power)         3           Amount strands wire (Power)         0,15 mm           Wire conductor cross section (Power)         0,75 mm²           Mitarial conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - conductor)         300 V           Current load capacity min. wire         4 A           Current load capacity min. wire         4 A           Current load capacity min. wire         4 A           Current load capacity min. wire         26 Dkm @20 °C           Electrical resistance oating wire (Power)         26 Dkm @20 °C           Cover with		
Tolerance outer diameter wire insulation (Power)  ### A325 Shore D  ### A325 Shore D		
Shore hardness wire insulation (Power)   43±5 Shore D   9000 machinability   9000 machinab	. , ,	
Material properties wire insulation (Power) Ingredient freeness wire insulation (Power) Ingredient freeness wire insulation (Power) Amount wires (Power) Amount wires (Power) 42 Diameter of single wires (Power) Ure conductor cross section (Power) Vire conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Vire (Power) Vire wire (Power) Vire (Power) Vire wire (Power) Vire (Power) Vir		
Ingredient freeness wire insulation (Power) Amount wires (Power) 3 Amount strands wire (Power) 42 Diameter of single wires (Power) 0,75 mm² Material conductor cross section (Power) Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) Max. rated voltage (power)  Current load capacity min. wire  4 A  Current carrying capacity min. wire (Power) 7,8 A  Electrical resistance coating wire (Power) 2 kV @ 60 s  Electrical resistance (power)  2 kV @ 60 s  Power frequency withstand voltage (wire - gacket) Min. operating temperature (static)  30 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic) 70 °C  Flame resistance  EC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good. application-related testing  Gasoline resistance  Good. application-related testing  Gasoline resistance  Good. application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (fixed)  5 m @ 25 °C  Traversing distance (C-track)  7 m @ 25 °C  Traversing distance (C-track)  9 m @ 25 °C  Traversing distance (C-track)  19 mil y Construction form  free cable end	Shore hardness wire insulation (Power)	43±5 Shore D
Amount wires (Power)         3           Amount strands wire (Power)         42           Diameter of single wires (Power)         0.15 mm           Wire conductor cross section (Power)         Stranded copper wire, bare           Material conductor wire (Power)         Stranded copper wire, bare           Make, 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 carrying capacity min. wire (Power)         7,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Power firequency withstand woltage (wire - wire)         -5 °C           Power firequency withstand voltage (wire - wire)         -80 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Glore ori	Material properties wire insulation (Power)	good machinability
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  Max. rated voltage (conductor - conductor) 300 V  Max. rated voltage (conductor - conductor) 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4 A  Current carrying capacity min. wire (Power) 7,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Electrical resistance lossistance wire 2 kV @ 60 s  Power frequency withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - gacket) 80 °C  Operating temperature (static) 30 °C  Max. operating temperature (inked) 80 °C  Operating temperature max. (dynamic) -5 °C  Operating temperature max. (dynamic) -5 °C  Correntiance Good, application-related testing 1 DIN EN 60811-404  Bending radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 m @ 25 °C  Traver sing distance (C-track) 5 m @ 25 °C  Traver speed (C-track) 5 m @ 25 °C  Traver speed (C-track) 5 m @ 25 °C  Traver speed (C-track) 7 m @ 5 m @ 25 °C  Family construction form free cable end  Color contact carrier 9 gray  No. of poles	Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
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           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 (Power)         7,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         2 kV @ 60 s           Coment large with stand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - injacket)         30 °C           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related	Amount wires (Power)	3
Wire conductor cross section (Power)         0,75 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         strand class 6           Max. rated voltage (conductor - ground)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current carrying capacity min. wire (Power)         4 A           Current carrying capacity min. wire (Power)         7.8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           Chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gir esistance         Good, application-relat	Amount strands wire (Power)	42
Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) 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 carrying capacity min. wire (Power) 7,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Electrical resistance coating wire (Power) 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  No. of bending cycles (C-track) 2 Mis. @ 25 °C  Travet speed (C-track) 5 m @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19	Diameter of single wires (Power)	0,15 mm
Conductor type wire (Power)       strand class 6         Max. rated voltage (conductor - ground)       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 carrying capacity min. wire (Power)       7,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Electrical resistance coating wire (Power)       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)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of bending cycles (C-track) <td>Wire conductor cross section (Power)</td> <td>0,75 mm²</td>	Wire conductor cross section (Power)	0,75 mm²
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 carrying capacity min. wire (Power)     7,8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Electrical resistance coating wire (Power)     26 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     30 °C       Min. operating temperature (static)     30 °C       Max. operating temperature (fixed)     80 °C       Operating temperature min. (dynamic)     -5 °C       Operating temperature max. (dynamic)     70 °C       Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     2 Mio. @ 25 °C       Traver sing distance (C-track)     5 m @ 25 °C       Traver sing distance (C-track)     2 m s @ 25 °C       Connection type 2	Material conductor wire (Power)	Stranded copper wire, bare
Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4 A           Current carrying capacity min. wire (Power)         7,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         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)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oli resistance         Good, application-related testing           Oli resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Traversing distance (C-track)         5 m@ 25 °C	Conductor type wire (Power)	strand class 6
Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4 A       Current carrying capacity min. wire (Power)     7.8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Electrical resistance coating wire (Power)     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)     -30 °C       Max. operating temperature (fixed)     80 °C       Operating temperature min. (dynamic)     -5 °C       Operating temperature max. (dynamic)     70 °C       Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       Chemical resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     2 Mio. @ 25 °C       Traversing distance (C-track)     2 m/s @ 25 °C       Connection type 2       Family construction form     free cable end       Color contact carrier     gray       No. of poles       19	Max. rated voltage (conductor - conductor)	300 V
Current load capacity min. wire     4 A       Current carrying capacity min. wire (Power)     7,8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Electrical resistance coating wire (Power)     26 Ω/km @20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     30 °C       Min. operating temperature (static)     30 °C       Max. operating temperature (fixed)     80 °C       Operating temperature min. (dynamic)     5 °C       Operating temperature max. (dynamic)     70 °C       Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Bending radius (cycles (C-track)     2 Mio. @ 25 °C       Traversing distance (C-track)     5 m @ 25 °C       Traversing distance (C-track)     5 m @ 25 °C       Traversing distance (C-track)     2 m/s @ 25 °C       Connection type 2       Family construction form     free cable end       Color contact carrier     gray       No. of poles     19   <	Max. rated voltage (conductor - ground)	300 V
Current carrying capacity min. wire (Power)       7,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Electrical resistance coating wire (Power)       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)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of bending cycles (C-track)       2 Mio. @ 25 °C         Traversing distance (C-track)       5 m @ 25 °C         Traver speed (C-track)       2 m/s @ 25 °C         Connection type 2         Family construction form       free cable end         Color contact carrier       gray         No. of poles<	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 57 Ω/km @ 20 °C  Electrical resistance coating wire (Power) 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) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traver speed (C-track) 5 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19	Current load capacity min. wire	4 A
Electrical resistance coating wire (Power) 26 \( \Omega \text{LMR} \text{ @20 °C} \)  AC withstand voltage (wire - wire) 2 kV \( \text{ @60 s} \)  Power frequency withstand voltage (wire - jacket) 2 kV \( \text{ @60 s} \)  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) -5 °C  Operating temperature max. (dynamic) -70 °C  Flame resistance IEC 60332-2-2   UL 1581 \( \frac{1}{3} \) 1090   UL 1581 \( \frac{1}{3} \) 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. \( \text{@ 25 °C} \)  Traversing distance (C-track) 5 m \( \text{@ 25 °C} \)  Travel speed (C-track) 2 m/s \( \text{@ 25 °C} \)  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19	Current carrying capacity min. wire (Power)	7,8 A
AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gil resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  7 me 25 °C  Traversing distance (C-track)  2 m/s @ 25 °C  Connection type 2  Family construction form  free cable end  Color contact carrier  gray  No. of poles	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Min. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Bending radius (fixed)  Bending radius (dynamic)  No. of bending cycles (C-track)  Travel speed (C-track)  Travel speed (C-track)  Connection type 2  Family construction form  free cable end  Color contact carrier  gray  No. of poles  19	Electrical resistance coating wire (Power)	26 Ω/km @20 °C
jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  7 m@ 25 °C  Traversing distance (C-track)  2 m/s @ 25 °C  Connection type 2  Family construction form  free cable end  Color contact carrier  gray  No. of poles	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		2 kV @ 60 s
Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing IDIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19	Min. operating temperature (static)	-30 °C
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  7 m @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  2 m/s @ 25 °C  Connection type 2  Family construction form  free cable end  Color contact carrier  gray  No. of poles  19		80 °C
Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		-5 °C
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		70 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end Color contact carrier gray  No. of poles 19		
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		······································
Bending radius (dynamic)  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  2 m/s @ 25 °C  Connection type 2  Family construction form  free cable end  Color contact carrier  gray  No. of poles  19		
No. of bending cycles (C-track)  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  2 m/s @ 25 °C  Connection type 2  Family construction form  free cable end  Color contact carrier  gray  No. of poles  19		
Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		
Travel speed (C-track) 2 m/s @ 25 °C  Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		
Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 19		
Family construction form free cable end  Color contact carrier gray  No. of poles 19	, ,	스 HIV3 는 CU
Color contact carrier gray No. of poles 19	•	
No. of poles 19		free cable end
'		
Family construction form M12	· · · · · · · · · · · · · · · · · · ·	
	Family construction form	M12
Gender female	Gender	female
Color contact carrier black	Color contact carrier	black
Coding A	Coding	A
No. of poles 5	No. of poles	5
PIN 1 +	PIN 1	+

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: 2024-05-21



PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE