

EXACT8, 6XM8, 4POLE, MOULDED CABLE

10.0m PUR 12x0.34+2x0,75

6-way, 4-pole for NPN signals 24 V DC

Further cable lengths on request.

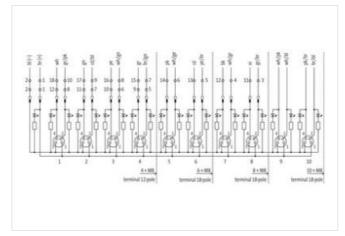
Plastic housings with good resistance against chemicals and oils.

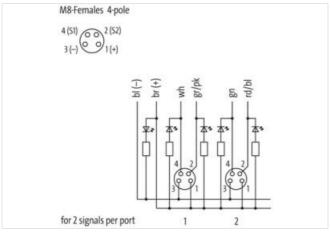
The resistance to aggressive media should be individually tested for your application. Further details on request.

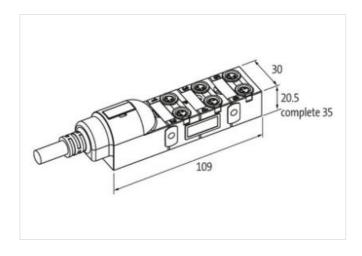
Link to Product

Illustration









Product may differ from Image







| Commercial data | | |
|-----------------|----------|--|
| ECLASS-6.0 | 27143423 | |
| ECLASS-6.1 | 27279219 | |
| ECLASS-7.0 | 27279219 | |
| ECLASS-8.0 | 27279219 | |



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| -0.100 | |
|--|--|
| 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 | 4048879054898 |
| 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 | |
| | IDCE IDC7 |
| Degree of protection (EN IEC 60529) | IP65, IP67 |
| 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 max. | 80 °C |
| Additional condition temperature range | depending on cable quality |
| | depending on cable quality |
| Installation Cable | |
| Cable identification | 389 |
| Jacket Color | gray |
| Type of Certificate | cURus, CSA |
| Amount stranding | 1 |
| Stranding | 4 wires twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 10 wires around Stranding combination twisted |
| Banding | Fleece |
| wire arrangement | red, yellow-white, gray-pink, pink, (brown, blue, brown-yellow, brown-green, green-white, red-blue, gray, yellow green, white) |
| Cable weigth | 122,1 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) | 9,5 mm |
| Tolerance outer diameter (sheath) | ±5% |
| Material wire insulation | TPE-E |
| Amount wires | 10 |
| Outer diameter insulation | 1,5 mm |
| Outer diameter tolerance core insulation | ±5% |
| | EE LE Oliver D |
| Shore hardness wire insulation | 55 ± 5 Shore D lead-free, cadmium-free, CFC-free, 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: 2024-05-05



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| Amount artands (wire) Diameter of single wires Onductor crosssection (wire) Onductor type (wire) Strand-doopsey wire, bure Conductor type (wire) Strand-doopsey wire, bure Treversing destance (C-frack) Sm @ 25 °C hot/contal Material conductor type (wire) Sm @ 25 °C hot/contal Material wire insulation (Obta) TPE-E Outer diameter wire insulation (Obta) Treversing destance (C-frack) Since № 25 °C hot/contal Material wire insulation (Obta) Treversing destance (C-frack) Shore hardness were insulation (Obta) Treversing destance (C-frack) Shore hardness were insulation (Obta) Fish § 5 °S °S Shore hardness were insulation (Obta) Fish § 5 °S °S Shore hardness were insulation (Obta) Marchades were insulation (Obta) Marchades were insulation (Obta) Marchades were insulation (Obta) Marchades overload (Obta) Wire conductor type (Obta) Wire conductor type (Obta) Marchade overload (or wire (Obta) Marchade (or wire (Obta) | Amount strando (vivo) | 40 |
|--|--|--|
| Conductor prospection (wire) 0,34 mm² Material conductor wire Standed cooper wire, bare Conductor type (wire) strand closes 6 Traversing distance (C-track) 5 m @ 25 °C Inoticental Material wire insulation (Data) 7 FE-E | · · · | |
| Material conductor wire Stranded copper wire, bare Conductor type (vire) strand class 6 | | · |
| Conductor type (vire) strand class 6 Traversing distance (C track) 5 m @ 25 °C horizontal | | |
| Traversing distance (C-track) 5 m @ 25 °C horizontal Material wire insulation (Data) 1 FFE E Outer distanctive insulation (Data) 1,8 mm Tolerance outer dismeter wire insulation (Data) 5 5 °S Shore D Ingredient freneess wire insulation (Data) 150 °S 5 °S Shore D Ingredient freneess wire insulation (Data) 160 °C Condenses wire insulation (Data) Amount wires (Data) 2 Amount wires (Data) 42 Diameter of single wires (Data) 0,15 mm Conductor or cassection wire (Data) 0,75 mm² Mark rated voltage (conductor - conductor) 300 °V Mice conductor type (Data) 3 strand class 6 Wire conductor type (Data) 300 °V Max. rated voltage (conductor - conductor) 300 °V Current load capacity min. wire (Data) 4 A Current load capacity min. wire (Data) 22 °C Electrical resistance line constant wire (Data) 26 °C °C Electrical resistance vine con | | |
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| Outer diameter wire insulation (Data) 1,8 mm Tolerance outer diameter wire insulation (Stat) 55 ± 5 Shore D Shore hardness wire insulation (Data) 52 ± 5 Shore D Ingredient freeness wire insulation (Data) 22 Amount wires (Data) 42 Diameter of single wires (Data) 0.15 mm Conductor crossection wire (Data) 0.75 mm² Matorial conductor wire (Data) 5 Franded copper wire, bare Wire conductor rype (Data) 5 Franded copper wire, bare Wire conductor rype (Data) 50 V Max. rada voltage (conductor - conductor) 300 V Max. rada voltage (conductor - ground) 300 V Current food capacity min. wire 4 A Current food capacity min. wire 4 A Current food capacity min. wire 4 A Current food capacity min. wire (Data) 25 QWm @ 20 °C Electrical resistance colling wire (Data) 21 V @ 60 s Power frequency wirestand voltage (wire - gacker) 21 V @ 60 s Min. operating temperature (tixed) 80 °C Operating temperature mix. (dynamic) 5 °C Coperating temperature mix. (dynamic) | | |
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| Shore hardness wire insulation (Data) 155 ± 5 Shore D 1 lead-free, cadmium-free, CFC-free, halogen-free 1 lead-free 1 lead-free, CFC-free, halogen-free 1 lead-free, CFC-free, halogen-free 1 lead-free, CFC-free, halogen-free, CFC-free, LFC-free, halogen-free, CFC-free, ha | | • |
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| Diameter of single wires (Data) 0,15 mm Conductor crosssection wire (Data) 0,75 mm² Micro Conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 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 conting wire (Data) 26 Ω/km @ 20 °C Electrical resistance conting wire (Data) 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Mix. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Power frequency with my | . , | |
| Conductor crossection wire (Data) 0,75 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor by the (Data) 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 load capacity min. Wire (Data) 12 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Electrical resistance coating wire (Data) 2 k V @ 60 s Power frequency withstand voltage (wire - wire) 2 k V @ 60 s Power frequency withstand voltage (wire - wire) 2 k V @ 60 s Min. operating temperature (Statio) 40 °C Max. operating pemperature (Statio) 40 °C Max. operating pemperature max. (dynamic) 5° °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good. application-related testing Gasoline resistance Good. application-related testing Oil resistance Good. application-related tes | | |
| Material conductor wire (Data) Stranded copper wire, bare Stranded conductor ype (Data) strand class 6 Stranded voltage (conductor - conductor) 300 V Stranded voltage (conductor - ground) 300 V Stranded voltage (strandard) 10 DIN VDE 0298-4 Stranded voltage (strandard) 12 A Stranded voltage (strandard) 12 A Stranded voltage (strandard) 26 Ω/km @ 20 °C Strandard voltage (wire - wire) 2 kV @ 60 s Stranded voltage (wire) 2 kV @ 60 s St | | |
| Wire conductor type (Data) 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 (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 57 (Okm @ 20 °C Electrical resistance coating wire (Data) 26 (Okm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - riacket) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (mix.) 80 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Chamical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (installation) x Outer diameter Bending radius (sivamic) 10 x Outer diameter | | · |
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| Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 12 A Electrical resistance loc constant wire 57 Okm @ 20 °C Electrical resistance coating wire (Data) 26 Ω/km @ 20 °C AC withstand voltage (wire - isokel) 2 kV @ 60 s Power frequency withstand voltage (wire - isokel) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance | | |
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| Current load capacity min. Wire (Data) 12 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 - iacket) -40 °C Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance Good, application-related testing Bending radius (installation) × Outer diameter Bending radius (fixed) 7,5 × Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C Connection type 2 Family construction form free cable end No. of poles 14 Family construction form M8 | | |
| 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 k/ Q 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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) 7,5 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 M8 Gender female Color contact carrier black Coding <td></td> <td>to DIN VDE 0298-4</td> | | to DIN VDE 0298-4 |
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| Electrical resistance coating wire (Data) 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - inacket) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) 90 °C Chamber (Good, application-related testing) 90 °C Gasoline resistance Good, application-related testing 90 °C Oil resistance Good, application-related testing 91 DIN EN 60811-404 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | | |
| AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - lacket) Min. operating temperature (static) Min. operating temperature (fixed) Min. operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Office (acceptable) Good, application-related testing Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (dynamic) 10 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 | Electrical resistance line constant wire | |
| Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Intereststance Oood, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) Travel speed (C-track) 5 Mio. @ 25 °C Connection type 2 Family construction form free cable end No. of poles 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | 3 , , | |
| Jacket | 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) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | | 2 kV @ 60 s |
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| Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Operating temperature min. (dynamic) | -5 °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 (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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Operating temperature max. (dynamic) | 80 °C |
| Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 FIN 3 - | Flame resistance | UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 |
| Oil resistance Good, application-related testing DIN EN 60811-404 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | chemical resistance | 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Gasoline resistance | Good, application-related testing |
| 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 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Oil resistance | Good, application-related testing DIN EN 60811-404 |
| Bending radius (dynamic) Travel speed (C-track) 5 Mio. @ 25 °C Connection type 2 Family construction form free cable end No. of poles 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Bending radius (installation) | x Outer diameter |
| Travel speed (C-track) 5 Mio. @ 25 °C Connection type 2 Family construction form free cable end No. of poles 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Bending radius (fixed) | 7,5 x Outer diameter |
| Connection type 2 Family construction form free cable end No. of poles 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Bending radius (dynamic) | 10 x Outer diameter |
| Family construction form free cable end No. of poles 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Travel speed (C-track) | 5 Mio. @ 25 °C |
| No. of poles 14 Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Connection type 2 | |
| Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Family construction form | free cable end |
| Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | No. of poles | 14 |
| Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Family construction form | M8 |
| Coding A No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Gender | female |
| No. of poles 4 PIN 1 + PIN 2 S 2 PIN 3 - | Color contact carrier | black |
| PIN 1 + PIN 2 S 2 PIN 3 - | Coding | A |
| PIN 2 S 2 PIN 3 - | No. of poles | 4 |
| PIN 3 - | PIN 1 | + |
| | PIN 2 | \$2 |
| PIN 4 S1 | PIN 3 | - |
| | PIN 4 | \$1 |