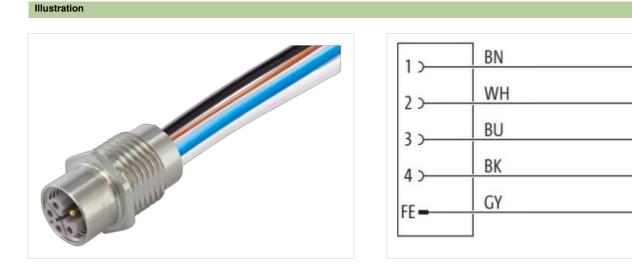


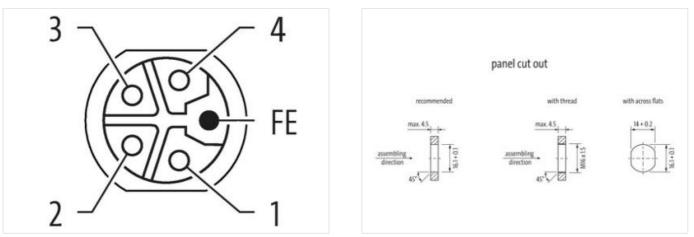
## M12 Power female recept. L-cod. front

PUR-wires 5x1.5 2.0m

Power Flange female M12, 5-pole L-coded Front mounting with multi-strand wire Good chemical and oil resistance (oil resistance does not apply to use with PVC cable) The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

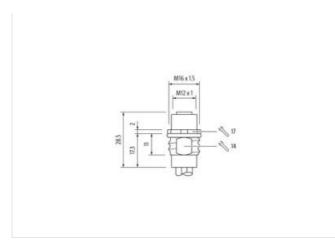
## Link to Product





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: 2024-05-19 Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk





Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12P
Thread	M12 x 1
Coding	L
No. of poles	5
Degree of protection (EN IEC 60529)	IP65, IP67
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC002061
customs tariff number	85444290
GTIN	4065909107805
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	63 V
Current operating per contact max.	12 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Mounting set	M16 x 1.5
Width across flats	SW17
Device protection   Electrical	
Protection NEMA	3, 4, 6P

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Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Rated supportige         1,5 kV           Material group (IEC 6064-1)         1           Machanical dia         Important or corrugated hose         without           Contour for corrugated hose         without         Important or corrugated hose         without           Coating housing         nickel plated         Important or corrugated hose         Important or corrugated hose           Coating housing         nickel plated         Important or corrugated hose         Important or corrugated hose           Coating housing         nickel plated         Important or corrugated hose         Important or corrugated hose           Material agaskat         FNM         Important or corrugated hose         Important or corrugated hose           Material passing         Brass         Important or corrugated hose         Important or corrugated hose           Material passing         Brass         Important or corrugated hose         Important or corrugated hose           Operating temperature max.         25 °C         Operating temperature max.         25 °C           Additional condition temperature rango         depending on cable quality         Important installation notes           Wols on strain relide         Protection conserve by suitable masures from mechanical loads, e.g. by the usage of cable tess.           Otorentity         Erecter termedites bearcing radit whe	Additional condition protection degree	screwed, mounted
Material group (IEC 606641) I Mechanical defa Contour for corrugated hose without Mechanical defa Contour for corrugated hose without Mechanical defa Contour for corrugated hose without Meterial provide Meterial defa Contour for corrugated hose field Contour f	Pollution Degree	3
Mechanical data         without           Canctor tor corrugated hose         without           Mechanical data [Material data]         incided plated           Cactaing housing         mickel plated           Cactaing housing         mickel plated           Cactaing housing         Brass           Material pasket         FMO           Material pasket         Brass           Material pasket         Brass           Moning method         Brass           Moning method         inserted, screwed           Environmental characteristics [Climatic         Climatic           Operating temperature man.         25 °C           Note on strain distalizion otes         Attention: Obsenve the permissible banding radii when laying cables, as the IP protection class can be anagered by excessive bending fradii when laying cables, as the IP protection class can be anagered by excessive bending fradii when laying cables, as the IP protection class can be anagered by excessive bending fradii when laying cables, as the IP protection class can be anagered by excessive bending fradii when laying cables, as the IP protection class can b	Rated surge voltage	1,5 kV
Contour for corrugated nose         without           Mechanical datal   Material datal         Incicle plated           Coating housing         nickel plated           Coating housing         PRAME           Coating housing         PRAME           Material gaskel         PRAME           Cocking material         Brass           Cocking material         Brass           Material protection         Insect. screwed           Environmental characteristics   Climati         25 °C           Operating temperature man.         65 °C           Note on bending radius         65 °C           Note on therding radius         65 °C           Operating temperature temperature temperature temperature temperatestriga	Material group (IEC 60664-1)	I
Mechanical data         Material pask           Coaling housing         nickel plated           Coaling housing         nickel plated           Material pasks         FKM           Material pasks         FKM           Material pasks         Brass           Locking material         Brass           Mochanical data [Mounting data         Brass           Mochanical data [Mounting data         Inserted, screwed           Environmental characteristics [Climatic         Cooperating temperature max.           Operating temperature max.         85 °C           Additional condition temperature may         depending on cable quality           Inportatin Istallation notes         Foreal the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Note on bending radius         Attention: Observe the permissible banding radii whon laying cables, as the IP protection class can be endangered by excessive bending forces.           Contornity         ys           Protoci         ys           Cable identification         980           wire arrangement         brown, black, blue, while, gray	Mechanical data	
Canting housing         nickel plated           Coating housing         nickel plated           Coating housing         nickel plated           Material passi         Prass           Locking material         Brass           Material passi         Brass           Material passi         inserted, screwed           Environmental characteristics   Climatic         inserted, screwed           Environmental characteristics   Climatic         65 °C           Operating imperature man.         65 °C           Operating interpreture man.         65 °C           Additional condition temperature range         depending on cable quality           Importal installation notes         Eviconmental Cost evico the permissible bending radii when laying cables, e.g. by the usage of cable fies.           Note on bending radius         EC 61076-2-111           Approvis         EC 61076-2-111           Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Approvis         EC 61076-2-111           Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Approvis         EC 61076-2-111           Approvis         EC 61076-2-111           Autoritation         980           Material on wins wing protection	Contour for corrugated hose	without
Coating locking         nickel plated           Material gasket         FKM           Material gasket         FKM           Material gasket         FKM           Material pasket         Brass           Locking material         Brass           Mechanical data   Mounting data         Brass           Mechanical characteristics   Climatic         Environmental characteristics   Climatic           Coperating temperature max.         85 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Cbeserve the parmissible bending radi when laying cables, as the IP protection class can be anding radis           Approvals         EC 61076-2-111           Approvals         yes           Cable interfication         960           Wire arrangement         brown, black, blue, white, gray           Material weiss         5           Outer diameter insulation         PUR           Annount weiss         5           Outer diameter insulation         Q.Sm           Conductor wrise         0,25 mm           Conductor wrise         0,25 mm <td>Mechanical data   Material data</td> <td></td>	Mechanical data   Material data	
Coating locking         nickel plated           Material gasket         FKM           Material gasket         FKM           Material gasket         FKM           Material pasket         Brass           Locking material         Brass           Mechanical data   Mounting data         Brass           Mechanical characteristics   Climatic         Environmental characteristics   Climatic           Coperating temperature max.         85 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Cbeserve the parmissible bending radi when laying cables, as the IP protection class can be anding radis           Approvals         EC 61076-2-111           Approvals         yes           Cable interfication         960           Wire arrangement         brown, black, blue, white, gray           Material weiss         5           Outer diameter insulation         PUR           Annount weiss         5           Outer diameter insulation         Q.Sm           Conductor wrise         0,25 mm           Conductor wrise         0,25 mm <td>Coating housing</td> <td>nickel plated</td>	Coating housing	nickel plated
Material gasket         FKM           Material housing         Brass           Locking material         Brass           Mechanical data [Mounting data         Inserted, screwed           Environmental characteristics [Climatic         Operating temperature min.           Operating temperature man.         85 °C           Additional condition temperature man.         85 °C           Contomity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contomity         EC 61076-2-111           Product standard         IEC 61076-2-111           Approvals         UL 50E         yes           Resistances (Cable         Cable identification         94           Cable identification         940         Yeine arrangement         Prown.		•
Material housing         Brass           Locking material         Brass           Mechanical data   Mounting data/ Muunting matherial         Inserted, screwed           Environmental characteristics / Climatic         Inserted, screwed           Environmental characteristics / Climatic         85 °C           Operating temperature min.         25 °C           Additional condition temperature rege         depending on cable quality           Important installation notes         Stoc           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observal the parmissible beroding radii when laying cables, as the IP protection class can be orinding radius         Attention: Observal the parmissible beroding radii when laying cables, as the IP protection class can be orinding torces.           Conformity         EC 61076-2111           Peroduct standard         IBC 61076-2111           Approvals         yes           Resistances   Cable         ges           Quier diameter insulation         990           Uier diameter insulation         990           Outer diameter insulation         2,4 mm           Outer diameter insulation         2,4 mm           Outer diameter insulation         2,4 mm           Outer diameter insulation		•
Locking matrial         Brass           Mechanical dia   Mounting data         inserted, screwed           Environmental characteristics / Climatic         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces.           Contornity         Product standard           IU SOE         yes           Restandard         IEC 61076-2-111           Amount wire arrangement         brown, black, blue, while, gray           Meterial wire insulation         PUR           Amount wires         5           Outer diameter tolerance core insulation         2.4 mm           Outer diameter tolerance core insulation         2.4 mm		
Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         69 °C           Additional condition temperature max.         69 °C           Mount installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Operating temperature max.         Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces.           Conformity         redargered by excessive bending forces.           Protext standard         IEC 61076-2-111           Approvals         yes           Cable identification         980           wire arrangement         brown, black, blue, white, gray           Mount wires         5           Outer diameter tolerance core insulation         15 %           Anount wires         5           Outer diameter tolerance core insulation         15 %           Anount strands (wire)         30 <td></td> <td></td>		
Munting method         inserted, screwed           Environmental characteristics   Climatic         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.           Contornity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Approvals         gess           UL SOE         yes           Resistances         Cable           Gable identification         980           wire arangement         brown, black, blue, white, gray           Material wire insulation         QL mm           Outer diameter tolerance core insulation         1.5 %           Anount strads (wire)         30           Diameter of single wires         0.25 mm           Conductor type (wire)         Strand class 5           Min. operati	-	
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         IEC 61076-2-111           Approvals         UL SOE           Vers         yes           Resistances   Cable         yes           Cable identification         980           write arrangement         brown, black, blue, white, gray           Anount wries         5           Outer diameter insulation         2.4 mm           Outer diameter insulation         1.5 °m²           Diameter of single wires         0.25 mm²           Conductor rossection (wire)         1.5 mm²           Material write (static)         40 °C           Departing temperature (static)         40 °C           Operating temperature (static)         40 °C <td< td=""><td></td><td>inserted screwed</td></td<>		inserted screwed
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         EC 61076-2-111           Approvals         EC 61076-2-111           Approvals         EC 61076-2-111           Approvals         EC 61076-2-111           Approvals         PVIC           Resistances   Cable         yes           Resistances   Cable         PVIR           Annount wires         5           Outer diameter insulation         PVIR           Annount straids (wire)         30           Diameter of single wires         0.25 mm²           Conductor russection (wire)         1.5 mm²           Material wire insulation         2.4 mm           Outer diameter insulation         2.5 mm²           Conductor russection (wire)         1.5 mm²           Material conductor wire         copper stranded wire	-	
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Afterntion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Approvals         UL 50E         yes           Resistances   Cable         Cable identification         980           wire arrangement         brown, black, blue, white, gray         Material wire insulation           Outer diameter isolation         2.4 mm         Quer diameter isolation         2.5 %           Outer diameter tolerance core insulation         2.4 mm         Quer diameter isolation         2.5 %           Diameter of single wires         0.25 mm         Conductor wire         Conductor wire           Conductor type (wire)         Strand class 5         Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C         Quer constraints (of ynamic)         25 °C           Oper	•	
Additional condition temperature range         depending on cable quality           Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         IEC 61076-2-111           Approvals         UL 50E           UL 50E         yes           Resistances [ Cable         Cable identification           Auterial wire insulation         PUR           Anount wires         5           Outer diameter insulation         2,4 mm           Outer diameter tolerance core insulation         5.%           Addictor crosssection (wire)         30.           Diametor of single wires         0,25 mn           Conductor rune (trade)         90 °C           Conductor type (wire)         Strand class 5           Min. operating temperature (statc)         40 °C           Awas, operating temperature (statc)         40 °C           Awas, operating temperature (statc)         40 °C           Conductor type (wire)         Strand class 5           Min. operating temperature (statc)         40 °C           Awas, operating temperature (st		
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.           Conformity         EC 61076-2-111           Approvals         UL 50E           UL 50E         yes           Resistances   Cable         EC 61076-2-111           Cable identification         980           wire arrangement         brown, black, blue, white, gray           Material wire insulation         PUR           Amount wires         5           Outer diameter tolerance core insulation         ± 5 %.           Amount strands (wire)         30           Diameter of single wires         0.25 rm           Conductor trype (wire)         Strand class 5           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         90 °C           Operating temperature (static)         -25 °C           Operating temperature (static)         90		
Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contornity         Ec 61076-2-111           Approvals         UL 50E         yes           Resistances   Cable         yes           Cable identification         960         yes           Material wire insulation         PUR           Amount wires         5         Outer diameter insulation         2.5 %           Outer diameter of single wires         0.25 mm²         Outer diameter of single wires         0.25 mm²           Conductor wire         copper stranded wire, timed         Strand class 5         Outer diameter of single wires         0.25 mm²           Material strands (wire)         9.0 °C         Strand class 5         OL         OL           Diameter of single temperature (static)         -40 °C         OL         OL         OL           Diameter of single temperature (static)         -40 °C         OL         OL         OL         OL           Approxable         90 °C         Strand class 5         OL         OL         OL         OL         OL		depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         IEC 61076-2-111           Approvals         yes           Resistances   Cable         yes           Cable identification         980           wire arrangement         brown, black, blue, white, gray           Material wire insulation         PUR           Amount wires         5           Outer diameter insulation         2.4 mm           Outer diameter of learnet core insulation         2.5 %           Dandunt wires         0.25 mm           Conductor ropssection (wire)         1.5 mm²           Material conductor wire         copper stranded wire, tinned           Conductor type (wire)         Strand class 5           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         90 °C           Particip temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Addition to peristing temperature max. (dynamic)         90 °C           Parteresistance         UL 1581 § 1100 F12   UL 1581	•	
Note on benuing radius         endangered by excessive bending forces.           Conformity           Product standard         IEC 61076-2·111           Approvais         UL 50E         yes           Resistances   Cable         yes           Resistances   Cable         UL 50E         yes           Resistances   Cable         Deven black, blue, white, gray         Deven black, blue, white, gray           Material wire insulation         PUR         Deven black, blue, white, gray           Mount wires         5         S           Outer diameter insulation         2.4 mm         Deven black, blue, white, gray           Mount strands (wire)         30         Diameter of single wires         0.25 mm²           Conductor crossection (wire)         1,5 mm²         Material conductor wire         copper stranded wire, tinned           Conductor type (wire)         Strand class 5         S         Conductor type (wire)         Strand class 5           Min. operating temperature (static)         -40 °C         A0 °C         A0 °C         A0 °C           Max. operating temperature min. (dynamic)         -25 °C         Conductor yie (Sing temperature min. (dynamic)         -25 °C         Conductor yie (Sing temperature min. (dynamic)         -25 °C         Conductor yie (Sing temperature min. (dynamic)         -25 °C	Note on strain relief	
Product standard         IEC 61076-2-111           Approvals         UL 50E         yes           Resistances   Cable         Cable identification         980           wire arrangement         brown, black, blue, white, gray         Cable identification         980           Material wire insulation         PUR         Cable identification         940           Amount wires         5         Comparison         2.4 mm           Outer diameter tolerance core insulation         ± 5 %.         Schematication         9.25 mm           Conductor crossection (wire)         3.0         Schematication         9.25 mm           Conductor crossection (wire)         1.5 mm²         Schematication         9.0 °C           Material conductor wire         copper stranded wire, tinned         Conductor consection (wire)         Strand class 5           Min. operating temperature (static)         -40 °C         Max. operating temperature (static)         -25 °C           Operating temperature (static)         90 °C         Feature         Feature         Feature           Princip tensistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         Feature         Feature           Gasoline resistance         Good, application-related testing         Good, application-related testing	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Approvals           UL 50E         yes           Resistances   Cable            Cable identification         980           wire arrangement         brown, black, blue, white, gray           Material wire insulation         PUR           Amount wires         5           Outer diameter insulation         2,4 mm           Outer diameter tolerance core insulation         ± 5 %           Amount strands (wire)         30           Diameter of single wires         0,25 mm           Conductor crosssection (wire)         1,5 mm²           Material conductor wire         copper stranded wire, tinned           Conductor type (wire)         Strand class 5           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         90 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           chemical resistance         Good, application-related testing	Conformity	
UL 50E     yes       Resistances   Cable       Cable identification     980       wire arrangement     brown, black, blue, white, gray       Material wire insulation     PUR       Amount wires     5       Outer diameter insulation     2,4 mm       Outer diameter tolerance core insulation     ± 5 %       Amount strands (wire)     30       Diameter of single wires     0,25 mm       Conductor crosssection (wire)     1,5 mm²       Material conductor wire     copper stranded wire, tinned       Conductor type (wire)     Strand class 5       Min. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     90 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     90 °C       Flame resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing	Product standard	IEC 61076-2-111
Resistances   Cable         Cable identification       980         wire arrangement       brown, black, blue, white, gray         Material wire insulation       PUR         Amount wires       5         Outer diameter insulation       2,4 mm         Outer diameter tolerance core insulation       ± 5 %         Amount strands (wire)       30         Diameter of single wires       0,25 mm         Conductor crosssection (wire)       1,5 mm²         Material conductor wire       copper stranded wire, tinned         Conductor type (wire)       Strand class 5         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       90 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 6032-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Approvals	
Cable identification980wire arrangementbrown, black, blue, white, grayMaterial wire insulationPURAmount wires5Outer diameter insulation2,4 mmOuter diameter tolerance core insulation± 5 %Amount strands (wire)30Diameter of single wires0,25 mmConductor crosssection (wire)1,5 mm²Material conductor wirecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (istatic)-40 °CMax. operating temperature (fixed)90 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	UL 50E	yes
And end of the solutionbrown, black, blue, white, grayMaterial wire insulationPURAmount wires5Outer diameter insulation2,4 mmOuter diameter tolerance core insulation± 5 %Amount strands (wire)30Diameter of single wires0,25 mmConductor crosssection (wire)1,5 mm²Material conductor wirecopper stranded wire, tinnedConductor virecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (fixed)90 °COperating temperature (fixed)90 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Resistances   Cable	
Material wire insulation       PUR         Amount wires       5         Outer diameter insulation       2,4 mm         Outer diameter tolerance core insulation       ± 5 %         Amount strands (wire)       30         Diameter of single wires       0,25 mm         Conductor crosssection (wire)       1,5 mm²         Material conductor wire       copper stranded wire, tinned         Conductor type (wire)       Strand class 5         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       90 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Cable identification	980
Amount wires5Outer diameter insulation2,4 mmOuter diameter tolerance core insulation± 5 %Amount strands (wire)30Diameter of single wires0,25 mmConductor crosssection (wire)1,5 mm²Material conductor wirecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	wire arrangement	brown, black, blue, white, gray
Outer diameter insulation2,4 mmOuter diameter tolerance core insulation± 5 %Amount strands (wire)30Diameter of single wires0,25 mmConductor crosssection (wire)1,5 mm²Material conductor wirecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Material wire insulation	PUR
Outer diameter tolerance core insulation± 5 %Amount strands (wire)30Diameter of single wires0.25 mmConductor crosssection (wire)1,5 mm²Material conductor wirecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Amount wires	5
Amount strands (wire)30Diameter of single wires0,25 mmConductor crosssection (wire)1,5 mm²Material conductor wirecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Outer diameter insulation	2,4 mm
Diameter of single wires       0,25 mm         Conductor crosssection (wire)       1,5 mm²         Material conductor wire       copper stranded wire, tinned         Conductor type (wire)       Strand class 5         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       90 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Outer diameter tolerance core insulation	±5%
Conductor crosssection (wire)1,5 mm²Material conductor wirecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Amount strands (wire)	30
Material conductor wirecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Diameter of single wires	0,25 mm
Conductor type (wire)Strand class 5Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Conductor crosssection (wire)	1,5 mm <sup>2</sup>
Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       90 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       90 °C         Image: The select of the	Material conductor wire	copper stranded wire, tinned
Max. operating temperature (fixed)       90 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Conductor type (wire)	Strand class 5
Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Min. operating temperature (static)	-40 °C
Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Max. operating temperature (fixed)	90 °C
Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Operating temperature min. (dynamic)	-25 °C
Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Operating temperature max. (dynamic)	9° 00
chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Gasoline resistance Good, application-related testing	chemical resistance	
	Gasoline resistance	Good, application-related testing
	Oil resistance	DIN EN 60811-404   Good, application-related testing

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: 2024-05-19

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