

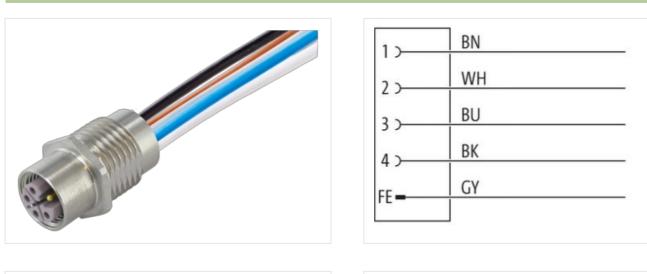
## M12 Power female recept. L-cod. front

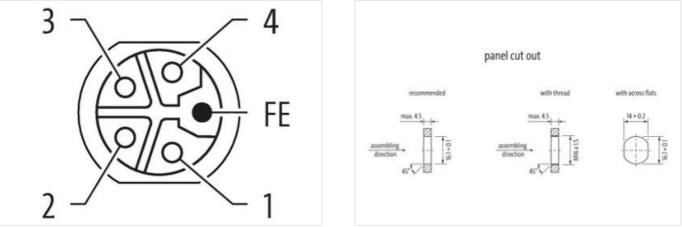
PUR-wires 5x1.5 1.5m

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

Illustration

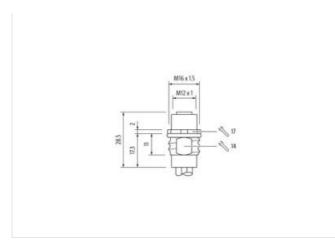




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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Product may differ from Image



Cable length	1,5 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	4048879813648
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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Flaef support (EC 6064-1)     I       Material group (IEC 6064-1)     Inckel plated       Coating housing     inckel plated       Coating housing     inckel plated       Material gasket     FKM       Material gasket     FKM       Material gasket     RSM       Material gasket     Social place       Material gasket     RSM       Material gasket     Social place       Material gasket     RSM       Material group raterial     Brass       Material group raterial     Brass       Material statilitation raterial     Social population       Operating temperature max.     AS <sup>oci</sup> O       Additional condition temperature range     depending on cable quality       Important Installation notes     Materian: Coarre by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures f	Additional condition protection degree	screwed, mounted
Material group (IEC 606641)     I       Mechanical dela     Vielout       Contour for corrugated hose     without       Mechanical dela     Vielout       Coating housing     nickel plated       Material gaskat     FKM       Material gaskat     FKM       Material paskat     FKM       Material faskat     FKM       Material faskat     FKM       Mechanical dela Mounting data     Brass       Mechanical dela Mounting data     Mechanical dela Mounting data       Mechanical dela Mounting data     Brass       Mounting method     Inserted, screwed       Environnental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Nota on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ises.       Nateria on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ises.       Nateria on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by	Pollution Degree	3
Mechanical data     without       Control for corrungated hose     without       Mechanical data   Material data     incideal plated       Coating hoscing     mickel plated       Coating hoscing     mickel plated       Coating hoscing     mickel plated       Material packet     FKM       Material packet     Brass       Material packet     isseted, sorewed       Munting method     isseted, sorewed       Environmental chanacteristics   Climatie     5° Co       Operating temperature max.     65° Co       Operating temperature max.     65° Co       Note on stain elifel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on stain elifel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on stain elifel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on stain elifel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on stain elifel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on stain elifel     Prote	Rated surge voltage	1,5 kV
Contour for corrugated hose     without       Mechanical data   Material data     Incide plated       Coating housing     nickel plated       Coating housing     PRAM       Cataling housing     PRAM       Material gaskel     PRAM       Coating housing     Brases       Coating housing     Brases       Material data   Mounting data     Terroscome       Excisionmental characteristics   Climati     Sine of scowed       Exvironmental characteristics   Climati     -25 °C       Operating temperature man.     -25 °C       Operating temperature man.     65 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical floads, e.g. by the usage of cable less.       Note on bending radius     Protect the connectors by suitable measures from mechanical floads, e.g. by the usage of cable less.       Operating temperature man.     62 60 1076-2111       Approvati	Material group (IEC 60664-1)	I
Advanced of al Material data       Coaling housing     nickel plated       Coaling housing     nickel plated       Material gaske     FKM       Material pasked     Brass       Locking material     Brass       Mouning method     Brass       Mouning method     inserted, sorewed       Environmental characteristics [Climatic     Cooling plate data       Doperating temperature max.     85 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation noces     Fortect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable fees.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable fees.       Attention: Observe the parmissible bending forces.     Contornity       Product standard     IEC 61076-2:111       Approxis     ys       Cable identification     980       wire arragement     brown, black, blue, white, gray       Material vie insulation     2.4 rum       Outer dimeter insulation     2.4 rum       Outer dinterier torous insulat	Mechanical data	
Coating housing     nickel plated       Coating housing     nickel plated       Material paskel     FK4       Material paskel     Brass       Cocking material     Brass       Material paskel     Brass       Material paskel     Inserted.screwel       Material paskel     Inserted.screwel       Environmental characteristics   Climatic     5 °C       Operating inserpature man.     25 °C       Operating inserpature man.     65 °C       Additional condition temperature range     depending on cable quality       Importal installation notes     Environmental codes (a gaality)       International installation notes     Attention: Observe the permissible bending radii when taying cables, e.g. by the usage of cable tes.       Note on bending radius     IEC 61076-2:111       Approvais     EC 61076-2:111       Outer dimeter insulation     PUR       Anount wires     S       Outer dimeter insulation     S  <	Contour for corrugated hose	without
Coating locking     nickel plated       Material gasket     FKM       Material gasket     FKM       Material gasket     FKM       Material pasket     Brass       Locking material     Brass       Locking material     Brass       Mechanical data   Mounting data     Inserted, screwed       Environmental characteristics   Climatic     Environmental characteristics   Climatic       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 environmental characteristics   Climatic       Approvals	Mechanical data   Material data	
Material gasket     FKM       Material housing     Brass       Locking material     Brass       Mechanical data [Mounting data     Inserted, screwed       Environmental characteristics [Climatic     Environmental characteristics [Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may     depending on cable quality       Important installation notes     Vertoent 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.       Conformity     Elec 61076-2-111       Product standard     Elec 61076-2-111       Approvals     Elec 61076-2-111       Approval     Vers       Wite arrangement     brown, black, blue, white, gray       Material wire insulation     940       View arrangement     brown, black, blue, white, gray       Conter diameter insulation     2.4 mm       Outer diameter insulation     2.4 mm       Outer diameter insulation     2.4 mm       Outer diameter insulation     2.5 %	Coating housing	nickel plated
Material housing     Brass       Locking material     Brass       Mechanical data   Mouning data     Inserted, screwed       Environmental characteristics   Climatic     Comparison       Operating temperature min.     -25 °C       Additional condition is meprature range     depending on cable quality       Important Installation notes     S °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.       Operating temperature max.     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       Protoct standard     IEC 61076-2-111       Approvals     yes       Resistances   Cable     yes       Cable identification     90       wire arrangement     brown, black, blue, while, gray       Material wire insulation     2.4 mm       Outer diameter tolerance core insulation     ± 5 %       Armount strands (wire)     30       Diameter of single wires     0.2	Coating locking	nickel plated
Locking matrial     Brass       Mechanical data   Mounting data     inserted, screwed       Environmental characteristics   Climatic     25 °C       Operating temperature man.     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 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.       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.       Conformity     Extention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by eccessive bending forces.       Color dimeter t	Material gasket	FKM
Mechanical data   Mounting data       Mounting method     inserted, screwed       Environmenial characteristics   Climatic     25 °C       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     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.       Operating temperature max.     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     reconstructure max.       Product standard     IEC 61076-2-111       Approvals     yes       Cable identification     yes       Resistances   Cable     yes       Cable identification     980       wire arrangement     brown, black, blue, white, gray       Mount wires     5       Outer diameter insulation     2.5 °m       Order diameter insulation     2.5 °m       Outer diameter insulatis wires     0       D	Material housing	Brass
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     EC 61076-2-111       Approvals     yes       Cable identification     980       write arrangement     brown, black, blue, white, gray       Material wrie insulation     PUR       Anount writes     5       Outer diameter tolerance core insulation     15 %       Anount stradk (wrie)     0       Diameter of single writes     0.25 mm       Conductor rowssection (wrie)     1.5 mm²       Ma	Locking material	Brass
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.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Conformity       Product standard     IEC 61076-2-111     Endemotity       Approvals     UL SOE     yes       Resistances   Cable     yes     Endemotity       Cable identification     980     yeine arrangement     brown, black, blue, white, gray       Material wrie insulation     PUR     Anount wries     5       Outer dimeter insulation     2.5 mm     Conductor rorsection (wrie)     1.5 mm?       Material wrie insulation     9.25 mm     Conductor wrie     Cooper stranded wrie, finned       Conductor rorsection (wrie)     1.5 mm?     Material conductor wrie     Cooper stranded wrie, finned       Conductor type (wire)     Strand class 5	Mechanical data   Mounting data	
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.       Contornity     EC 61076-2-111       Approval     EC 61076-2-111       Approval     EC 61076-2-111       Approval     yes       Resistances [ Cable     yes       Cable identification     980       wire arrangement     brown, black, blue, white, gray       Material wire insulation     PUR       Anount wires     5       Outer diameter insulation     2.4 rmm       Outer diameter insulation     5 %       Andure troperature (wire)     0.25 rm       Conductor type (wire)     Strand class 5       Min. operating temperature (static)     40 °C       Operating temperature (static)     90 °C       Operating temperature (stati	Mounting method	inserted, screwed
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.       Additional condition temperature range     Attention: 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 insulation     PUR     Annount wires     5       Outer diameter insulation     2.4 mm     Outer diameter loarance core insulation     ± 5 %       Annount strands (wire)     30     Diameter of single wires     0.25 mm       Conductor wire     copper stranded wire, tinned     Conductor wire     Copper stranded wire, tinned       Conductor wire     copper stranded wire, 100 FT2   UL 1581 § 1000	Environmental characteristics   Climatic	
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 endangered by excessive bending forces.       Conformity     Protect the C6 1076-2-111       Approvals     UL SOE       Ves     Resistances   Cable       Cable identification     980       wire arrangement     brown, black, blue, white, gray       Material wire insulation     PUR       Annount wires     5       Outer diameter insulation     2.4 mm       Outer diameter insulation     2.4 mm       Outer diameter insulation     1.5 %       Annount strands (wire)     30       Diameter of single wires     0.25 mm       Conductor wire     copper stranded wire, tinned       Conductor wire     copper stranded wire, tinned       Conductor wire     90 °C  <	Operating temperature min.	-25 °C
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 ending radiu when laying cables, as the IP protection class can be ending forces.       Conformity     EC 61076-2-111       Approvals     IEC 61076-2-111       Approvals     yes       Resistances   Cable     Vert Net Net Net Net Net Net Net Net Net Ne	Operating 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 bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Protect standard     IEC 61076-2-111       Approvals     yes     Protect for a cable identification     yes       Resistances   Cable     Cable identification     980     Protect for a cable identification     PUR       Amount wries     5     Concentification     920     Purce of a cable identification     920       Duter diameter insulation     PUR     Purce of a cable identification     920       Outer diameter insulation     2,4 mm     Outer diameter of single wires     0,25 mm       Conductor crosssection (wire)     1,5 mm²     Material conductor wire     Coper stranded wire, finned       Conductor type (wire)     Strand class 5     Material conductor wire     Conductor Coper stranded wire, finned       Conductor type (wire)     Strand class 5     Conductor wire     Conductor Coper stranded wire, finned       Conductor type (wire)     Strand class 5     Conductor Coperating temperature (statc)     40 °C	Additional condition temperature range	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 %       Date of upper standed wire, tinned     Conductor wire       Comport type (wire)     Strand class 5       Min. operating temperature (static)     -40 °C       Max. operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     90 °C       Flame resistance     UL 1581 § 1100 FT2   UL 1581 § 1009   IEC 60332-2-2       Chemical resistance     Good, application-related testing	Important installation notes	
Note on behaling radius     endangered by excessive bending forces.     Content is a content is content is a content is a content is a content is a con	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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     Composition     2,4 mm       Outer diameter tolerance core insulation     ± 5 %.     S       Amount strands (wire)     30     Composition     2,5 mm       Conductor rossection (wire)     1,5 mm²     S     Conductor or rossection (wire)     1,5 mm²       Material conductor wire     copper stranded wire, tinned     Conductor or coressection (wire)     1,5 mm²       Material conductor wire     copper stranded wire, tinned     Conductor or comperature (static)     40 °C       Max. operating temperature (static)     40 °C     Composition     25 °C     Comport of comperature (fixed)     90 °C       Plane resistance     U. 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     Centerion     Elsten (station -related testing       Gasoline resistance     Good, application-related testing     Good, appl	Note on bending radius	
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     coopper 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	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   Operating temperature (fixed) 90 °C   Operating temperature (static) -25 °C   Operating temperature min. (dynamic) 25 °C   Operating temperature min. (dynamic) 0 °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 (fixed)   90 °C     Operating temperature (mine.)   -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	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 mm²Conductor wirecopper stranded wire, tinnedConductor virecopper stranded wire, tinnedConductor type (wire)Strand class 5Min. operating temperature (fixed)90 °COperating temperature (manucl)-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
Material 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 vire     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	Resistances   Cable	
Material wre 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
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	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	
Diameter 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 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     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	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 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)	9° 00
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
chemical resistance Good, application-related testing   Gasoline resistance Good, application-related testing	Operating temperature max. (dynamic)	90 °C
Gasoline resistance Good, application-related testing	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
	chemical resistance	Good, application-related testing
Oil resistance DIN EN 60811-404   Good, application-related testing	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: 2024-05-21

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