

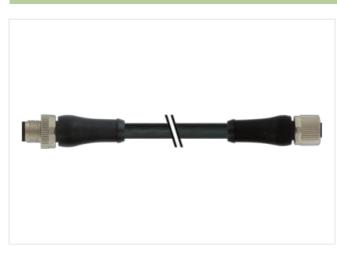
## M12 Power male 0° / female 0° L-cod.

PUR 4x1.5 bk UL/CSA+drag ch. 3m

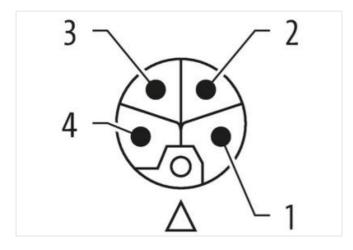
Power Male straight – female straight M12 – M12, 4-pole L-coded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

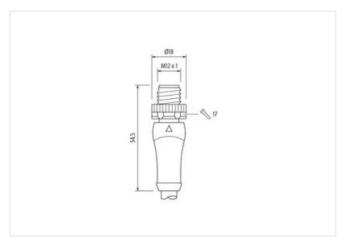
## Link to Product

Illustration



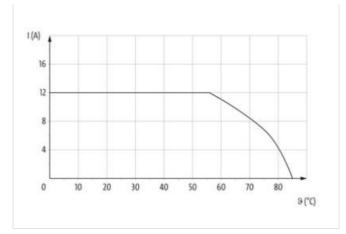
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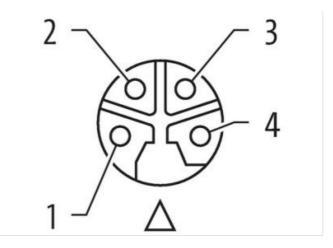




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Product may differ from Image



Cable length3 mSide 1Tightening torque0,6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12PThreadM12 x 1suitable for corrugated tube (internal Ø)12 mmCodingLMaterial contactCopper alloyNo. of poles4Side 2Tightening torque0,6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12PTightening torque0,6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12PThreadM12PThreadM12PThreadM12 x 1CodingL		
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Mounting method  inserted, screwed    Coating contact  gold plated    Family construction form  M12P    Thread  M12 x 1	Side 2	
Coating contact  gold plated    Family construction form  M12P    Thread  M12 x 1	Tightening torque	0,6 Nm
Family construction form  M12P    Thread  M12 x 1	Mounting method	inserted, screwed
Thread M12 x 1	Coating contact	gold plated
	Family construction form	M12P
Coding L	Thread	M12 x 1
	Coding	L

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No. of poles      4        Commercial date	Material contact	Copper alloy
ECLASS-6.0      27279218        ECLASS 6.1      27279218        ECLASS 7.0      27279218        ECLASS 7.0      27292218        ECLASS 7.0      27000317        ECLASS 7.1      27000317        ECLASS 7.1      27000317        ECLASS 7.1      27000317        ECLASS 7.2      27000317	No. of poles	4
ECLASS 8,1      27278218        ECLASS 8,0      27278218        ECLASS 8,0      2778218        ECLASS 8,0      2778218        ECLASS 8,0      2778218        ECLASS 8,0      2778218        ECLASS 8,0      27780327        ECLASS 1,1      27080327        ECLASS 1,2      2780327        ECLASS 1,0      27080327        ECLASS 1,0      ECON855        outstors tall flumber      8544280        Orange 1,0      404873785280        Packaging unt      1        Effection datal Supply      Comment operating orange 0 Cmax.        Operating vorange 0 Cmax.      12 Å        Diagoestics      SUV 1        Stalus indication LED      no        Degree of protection [Electrical Degree 1,0      In served.        Degree of protection [Electrical Degree 1,0      I        Degree of protection degree 1,0      I	Commercial data	
ECLASS-7.0      22729218        ECLASS-9.0      27603311        ECLASS-9.0      27603311        ECLASS-10.1      27603311        ECLASS-11.1      27603311        ECLASS-12.0      27663327        ETM-5.0      ECO01685        customs tarf number      85444290        GTM      4049873788266        Packaging unit      1        Effectional data      Supply        Current operating per contact max.      12 A        Diagnostics      200        Status indication LED      no        Installation [Connection      W17        Device protection [Electrical      SW17        Device protection [Electrical      SW17        Device protection [Electrical      Served        Degree of protection folgree      inserted, screwed        Polution Degree      3        Rated arge voltage      1, 5 kV        Material apadt      FIM        Material padt      FIM        Material padt      FIM        Material padt      FIM        Material padt      FIM        Material padt <td>ECLASS-6.0</td> <td>27279218</td>	ECLASS-6.0	27279218
ECLASS-7.0      22729218        ECLASS-9.0      27603311        ECLASS-9.0      27603311        ECLASS-10.1      27603311        ECLASS-11.1      27603311        ECLASS-12.0      27663327        ETM-5.0      ECO01685        customs tarf number      85444290        GTM      4049873788266        Packaging unit      1        Effectional data      Supply        Current operating per contact max.      12 A        Diagnostics      200        Status indication LED      no        Installation [Connection      W17        Device protection [Electrical      SW17        Device protection [Electrical      SW17        Device protection [Electrical      Served        Degree of protection folgree      inserted, screwed        Polution Degree      3        Rated arge voltage      1, 5 kV        Material apadt      FIM        Material padt      FIM        Material padt      FIM        Material padt      FIM        Material padt      FIM        Material padt <td>ECLASS-6.1</td> <td>27279218</td>	ECLASS-6.1	27279218
ECLASS-9.0      27060381        ECLASS-10.1      27060311        ECLASS-11.1      27060311        ECLASS-12.0      27060327        ETMAS.0      EC01855        catoms tariff number      8544230        GTM      404887878856        Packaging unit      1        Electrical data   Supply      Unit of the state		27279218
ECLASS 10.1  27060311    ECLASS 12.0  27060327    ETM-5.0  EC0031855    customs tariff number  65444290    GTN  4048479788526    Packaging unit  1    Etercical data [Supply  Comments    Operating voltage DC max.  63 V    Current operating per contact max.  12 A    Diagnostice  Using the Comments    Status indication LED  no    Installation [Concection  With across flats    Degree of protection [Electrical  POS.1P67    Additional condition protection degree  inserted, screwed    Polition Degree  3    Rated surge voltage  1, SkV    Material gasket  FKM    Material gasket  FKM    Material gasket  FKM    Material gasket  FKM    Material gasket  Stord    Environmental characteristics [ Climatic    Coperating temperature max.  65 °C    Operating temperature max.  65 °C    Operat	ECLASS-8.0	27279218
ECLASS-11.1  27060311    ECLASS-12.0  27060327    ETMA-5.0  ECO01855    customs tariff number  85444200    GTIN  4048870788526    Packaging unit  1    Electrical data   Supply  Constraints    Cyrrent operating per contact max.  12 A    Diagnostics  Status indication LED  no    Installation   Connection  Wit7    Device protection [Electrical  SW17    Device protection [Electrical  SW17    Device protection [Electrical  Seveed    Device protection feed seveed  Seveed    Pollution Degree  3    Ratid surge votage  1,5 kV    Material group (IEC 60664-1)  1    Uechanical data   Material data  FKM    Material gasket  FKM	ECLASS-9.0	27060327
ECLASS 12.0  27060327    ETIM 5.0  EC001685    outsoms tailf number  65444290    OtTM  404897978826    Packaging unit  1    Electrical dial [Supply    Operating voltage DC max.  63 V    Current operating per contact max.  12 A    Diagnostics  Image: Contact max.    Status indication ED  no    Installation ( Connection  With across flats    Work across flats  SW17    Degree of protection [ Electrical  Degree of protection ( Electrical    Degree of protection ( Electrical  Serveed    Polition Degree  3    Rated surge voltage  1, 5, KV    Material group (IEC 6064-1)  1    Mechanical data   Material data  FKM    Material gashel  FKM    Material gashel  FKM    Material properature max.  25 °C    Operating temporature max.  85 °C    Additional condition temperature max.  85 °C    Operating temporature max.  85 °C    Operating temporature max.  85 °C    Operating temporature max.  85 °C    Additional condition temperature max.  85 °C    Operating temporature max.  85 °C    Operating temporature ma	ECLASS-10.1	27060311
ETIM-5.0      EC001855        customs taiff number      85444290        OTIN      404887783526        Packaging unit      1        Electrical data [Supply         Operating voltage DC max.      63 V        Current operating ger contact max.      12 A        Diagnostics         Status indication LED      no        Installation   Connection         With across flats      SW17        Device protection [Electricat         Degree of protection (ELEC tross)         Polition Degree      3        Rated surge voltage      1,5 kV        Material group (EC 60664-1)      1        Mechanical data [Material data         Coaling locking      Nickeled        Material gasket      FKM        Material gasket      FKM        Material gasket      FXM        Material gasket      FXM        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics [ Climatic         Operating temperature max.      85 °C        Additional conting tempe	ECLASS-11.1	27060311
customs tariff number      85444290        GTIN      4048879788526        Packaging unit      1        Electrical data [Supply      63 V        Current operating per contact max.      12 A        Diagnostics      10        Status indication LED      no        Installation [Connection      100        Under protection [Electrical      19970        Degree of protection [Electrical      1985, 1967        Additional condition protection degree      1nserted, screwed        Pollution Degree      3        Additional condition protection degree      1,5 kV        Material grack      FKM        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Contage        Operating temporature min.      2,5 °C        Operating temporature min.      2,5 °C        Operating temporature max.      85 °C        Additional contion temporature range      depending on cable quality	ECLASS-12.0	27060327
GTIN  4048879788526    Packaging unit  1    Electrical data   Supply  Operating voltage DC max.  63 V    Current operating per contact max.  12 A    Diagnostics  Italia indication LED  no    Bistallation Connection  Italia indication LED  no    With across flats  SW17    Degree of protection [Electrical  Italia indication protection degree  inserted. screwed    Palution Degree  3  Italia indication protection degree  3    Rated surge voltage  1,5 kV  Italia indication LED  Italia indication protection degree    Politoin Degree  3  Italia indication LED  Italia indication LED    Politoin Degree  3  Italia indication LEO descreection (Electricat)    Macring aroue (LEO 60664-1)  1  Italia indication LEO descreection (Electricat)    Coating locking  Nickelod  Material data    Material positing  Nickelod  Italia indication LEO descreection    Material positing  PUR  Italia indication LEO descreection    Locking material  Zinc die-casting  Italia indication descreection LEO descreection    Environmental characteristics   Climatic  Coating temperature max.  45 °C    Operating temperature max.  45 °C    Operating	ETIM-5.0	EC001855
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Current operating per contact max.    12 A      Diagnosities    Status indication LED    no      Installation   Connection    Installation   Connection    Installation   Connection      With across flats    SW17    Degree of protection [EN IEC 60529)    IP65, IP67      Additional condition protection degree    inserted, screwed    Pollution Degree    3      Pater surge voltage    1,5 kV    Material group (IEC 60664-1)    I      Mechanical data   Material data    Coating locking    Nickeled      Material gasket    FKM    Material gasket    FKM      Material gasket    FKM    Material gasket    FKM      Mounting method    inserted, screwed, Shaking protection    Environmental Characteristics   Climatic      Operating temperature max.    85 °C    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 itees.      Note on strain relief    Frotect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable itees.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endargered by so	Electrical data   Supply	
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Device protection   Electrical        Degree of protection (EN IEC 60529)      IP65, IP67        Additional condition protection degree      inserted, screwed        Pollution Degree      3        Rated surge voltage      1,5 kV        Material group (IEC 60664-1)      1        Mechanical data   Material data      Coating locking        Coating locking      Nickeled        Material gasket      FKM        Material asket      FKM        Material asket      Inserted, screwed, Shaking protection        Mechanical data   Mounting data      Zinc die-casting        Mechanical data   Mounting data      Inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief        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		
Degree of protection (EN IEC 60529)      IP65, IP67        Additional condition protection degree      inserted, screwed        Pollution Degree      3        Rated surge voltage      1,5 kV        Material group (IEC 60664-1)      1        Mechanical data   Material data      Coating locking        Ocating locking      Nickeled        Material gasket      FKM        Material gasket      FKM        Material data   Mounting data      Zinc die-casting        Mechanical data   Mounting data      Zinc die-casting        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.        -25 °C      Operating temperature max.        Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief        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      EC 61076-2-111        Installation   Cable      Cable identification        Cable identification      P07		SW17
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Mechanical data   Material data        Coating locking      Nickeled        Material gasket      FKM        Material housing      PUR        Locking material      Zinc die-casting        Mechanical data   Mounting data      Inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      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        Installation   Cable      P07		1,5 KV
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Material housing      PUR        Locking material      Zinc die-casting        Mechanical data   Mounting data      Inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.        -25 °C      Operating temperature max.        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      IEC 61076-2-111        Installation   Cable      P07	Coating locking	
Locking material    Zinc die-casting      Mechanical data   Mounting data    inserted, screwed, Shaking protection      Environmental characteristics   Climatic       Operating temperature min.    -25 °C      Operating temperature max.    85 °C      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       Product standard    IEC 61076-2-111      Installation   Cable       Cable identification    P07		FKM
Mechanical data   Mounting data    inserted, screwed, Shaking protection      Mounting method    inserted, screwed, Shaking protection      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      Installation   Cable    EC 61076-2-111      Cable identification    P07		PUR
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Product standard  IEC 61076-2-111    Installation   Cable  Cable identification    P07  P07	Conformity	
Installation   Cable    Cable identification  P07		IEC 61076-2-111
Cable identification P07		
Capie Type 3		
		-
Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)	-	
Jacket Color black		Ulduk

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Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	black 4, blue 3, white 2, brown 1
Cable weigth	114,4 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7,2 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	2,3 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	60 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)
Amount strands (wire)	84
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	1,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	1000 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	14,4 A
Electrical resistance line constant wire	13,3 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	10 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	10 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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 (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio. 25 °C
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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