

M12 Power L-coded 4pol. male 0° with cable

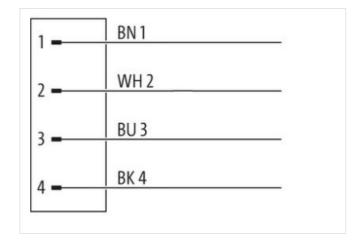
TPE 4x14AWG ye UL/CSA, TC-ER, IEC 8.5m

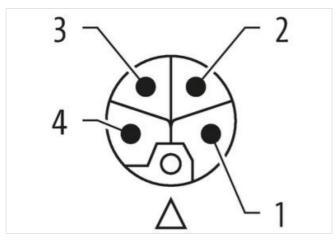
USA Power Male straight M12, 4-pole L-coded without cable sleeves Cable is approved for 600 V Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

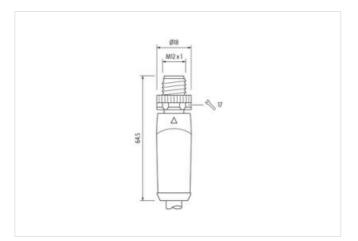
Link to Product

Illustration



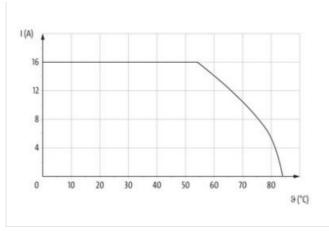






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19





Product may differ from Image



Cable length	8,5 m		
Side 1			
Tightening torque	0,6 Nm		
Mounting method	inserted, screwed		
Coating contact	gold plated		
Family construction form	M12P		
Thread	M12 x 1		
suitable for corrugated tube (internal Ø)	16,4 mm		
Coding	L		
Material contact	Copper alloy		
No. of poles	4		
Side 2			
Stripping length (jacket)	100 mm		
Commercial data			
ECLASS-6.0	27279218		
ECLASS-6.1	27279218		
ECLASS-7.0	27279218		
ECLASS-8.0	27279218		
ECLASS-9.0	27060327		
ECLASS-10.1	27060311		
ECLASS-11.1	27060311		
ECLASS-12.0	27060327		
ETIM-5.0	EC001855		
customs tariff number	85444290		
GTIN	4065909028612		
Packaging unit	1		
Electrical data Supply			
Operating voltage DC max.	63 V		
Current operating per contact max.	16 A		
Diagnostics			
Status indication LED	no		
Installation Connection	Installation Connection		

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Outer-diameter (jacket)9,65 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation2,95 mmOuter diameter tolerance core insulation± 5 %Ingredient freeness wire insulationlead-free, CFC-freeAmount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)-50 °C	Material jacket	TPE
Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation2,95 mmOuter diameter tolerance core insulation± 5 %Ingredient freeness wire insulationlead-free, CFC-freeAmount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)-50 °C	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Material wire insulationPVCAmount wires4Outer diameter insulation2,95 mmOuter diameter tolerance core insulation± 5 %Ingredient freeness wire insulationlead-free, CFC-freeAmount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - acket)6 kV @ 60 s	Outer-diameter (jacket)	9,65 mm
Amount wires4Outer diameter insulation2,95 mmOuter diameter tolerance core insulation± 5 %Ingredient freeness wire insulationlead-free, CFC-freeAmount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)-50 °C	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation2,95 mmOuter diameter tolerance core insulation± 5 %Ingredient freeness wire insulationlead-free, CFC-freeAmount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-50 °C	Material wire insulation	PVC
Outer diameter tolerance core insulation± 5 %Ingredient freeness wire insulationlead-free, CFC-freeAmount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)-50 °C	Amount wires	4
Ingredient freeness wire insulationlead-free, CFC-freeAmount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-50 °C	Outer diameter insulation	2,95 mm
Amount strands (wire)105Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-50 °C	Outer diameter tolerance core insulation	±5%
Diameter of single wires14 AWGConductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-50 °C	Ingredient freeness wire insulation	lead-free, CFC-free
Conductor crosssection (wire)14 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-50 °C	Amount strands (wire)	105
Material conductor wireStranded copper wire, bareNominal voltage AC max.600 VCurrent load capacity (standard)according to NFPA-70 (NEC) : 400.5(A) (1-3)Current load capacity min. wire12 AElectrical resistance line constant wire8,6 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-50 °C	Diameter of single wires	14 AWG
Nominal voltage AC max. 600 V Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 12 A Electrical resistance line constant wire 8,6 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -50 °C	Conductor crosssection (wire)	14 AWG
Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 12 A Electrical resistance line constant wire 8,6 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -50 °C	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 12 A Electrical resistance line constant wire 8,6 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -50 °C	Nominal voltage AC max.	600 V
Electrical resistance line constant wire 8,6 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -50 °C	Current load capacity (standard)	according to NFPA-70 (NEC) : 400.5(A) (1-3)
AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -50 °C		
Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -50 °C		
jacket) 6 KV @ 60 S Min. operating temperature (static) -50 °C		6 kV @ 60 s
	jacket)	
Max. operating temperature (fixed) 105 °C		
	Max. operating temperature (fixed)	105 °C

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Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
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	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	2 Mio.

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