

M12 female 0° A-cod. with cable shielded

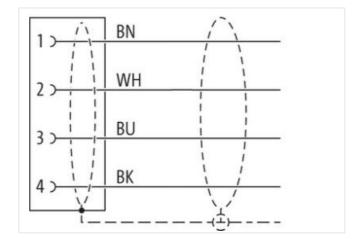
PVC 4x0.34 shielded bk UL/CSA 10m

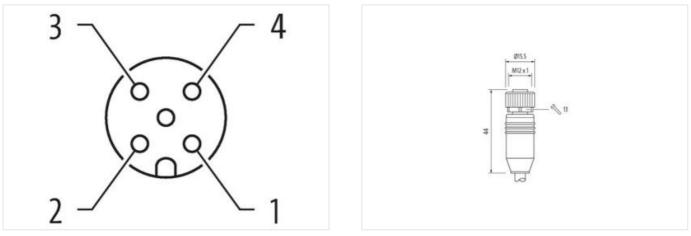
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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

10 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879592543
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
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	
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	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
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Sakie Identification 179 saket Color green ype of Certificate cURus wnourt stranding 2 stranding (type 2) 1 Stranding (type 2) 2 Stranding (type 2) 3 Stranding (type 2) 4 Stranding (type 2) 4 Stranding (type 2) 5 Stranding (type 2) <th>wire arrangement</th> <th>brown, white, red, blue, pink, gray, yellow, green</th>	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
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Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Duter-diameter (jacket) 6,1 mm Folarance outer diameter (sheath) ± 5 % Maderial wire insulation PP Anount wires 4 Duter diameter insulation 1,1 mm Duter diameter insulation ± 5 % Store hardness wire insulation ± 5 % Store hardness wire insulation 5 ± ± 5 Shore D ngredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Aderial conductor wire copper stranded wire, tinned Storical crosssection (wire) 24 AWG Aderial conductor wire copper stranded wire, tinned Storent Dad capacity fits andard) to DIN VDE 0296-4 Current Load capacity min. wire 3.6 A Characteristic impedance 100 Ω Characteristic impedance 4900 pF/km Power frequency withstand voltage (wire - wire) 0.5 kV @ 60 s Min. operating temperature (stati) -40 °C dax. operating temperat	Material jacket	PVC
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Folerance outer diameter (sheath) ± 5 % Atterial wire insulation PP Amount wires 4 Duter diameter insulation 1.1 mm Duter diameter insulation 5 ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Jiameter of single wires 24 AWG Conductor crossection (wire) 24 AWG Dandet or single wires 24 AWG Conductor crossection (wire) 24 AWG Dandet or single wires 24 AWG Conductor crossection (wire) 24 AWG Dandet or single wires 24 AWG Conductor crossection (wire) 24 AWG Dandet or single wires 24 AWG Conductor crossection (wire) 0 DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.6 A Characteristic inpedance 100 Ω Electrical resistance line constant wire 87 Ωkm @ 20 °C Co with stand volta	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
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Shore hardness wire insulation 55 ± 5 Shore D ngredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Alaterial conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Q/km @ 20 °C AC withstand voltage (wire - wire) 0.5 kV @ 60 s Electrical resistance 49000 pF/km Power frequency withstand voltage (wire - ackel) 0.5 kV @ 60 s Min. operating temperature (static) -40 °C Adax. operating temperature (static) -5 °C Opperating temperature (maxil) 70 °C Team resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Chemical resistance Good, application-related testing Dire resistance Good, application-related testing Dire resistance	Outer diameter insulation	1,1 mm
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Diameter of single wires24 AWGConductor crosssection (wire)24 AWGAterial conductor wirecopper stranded wire, tinnedNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 ACharacteristic impedance100 ΩElectrical resistance line constant wire87 Ω/km @ 20 °CAC withstand voltage (wire - wire)0,5 kV @ 60 sElectric capacitance49000 pF/km>ower frequency withstand voltage (wire - acket)0,5 kV @ 60 sMin. operating temperature (static)-40 °CAax. operating temperature (fixed)80 °COpperating temperature min. (dynamic)-5 °COpperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2Homical resistanceGood, application-related testingCasoline resistanceGood, application-related testingDil resistan	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Durrent load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - dynamic) -5 «C Operating temperature (static) -40 °C Aax. operating temperature (static) -40 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) -70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Dasoline resistance Good, application-related testing Dasoline resistance Good, application-related testing Dasoline resistance Good, application-related testing Dil resistance	Amount strands (wire)	7
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Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - acket) 0,5 kV @ 60 s Vin. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Deperating temperature (maximic) -5 °C Operating temperature max. (dynamic) -5 °C Deprating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Basoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404	Conductor crosssection (wire)	24 AWG
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Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - acket) 0,5 kV @ 60 s Ower frequency withstand voltage (wire - acket) 0,5 kV @ 60 s Vin. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °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 Dil resistance Good, application-related testing Operating radius (installation) x Outer diameter Sending radius (fixed) 7 x Outer diameter	Nominal voltage AC max.	300 V
Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - acket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature (min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °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 Dil resistance Good, application-related testi	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire87 Ω/km @ 20 °CAC withstand voltage (wire - wire)0,5 kV @ 60 sElectric capacitance49000 pF/kmPower frequency withstand voltage (wire - acket)0,5 kV @ 60 sJin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2Chemical resistanceGood, application-related testingBasoline resistanceGood, application-related testingDil resistanceGood,	Current load capacity min. wire	3,6 A
AC withstand voltage (wire - wire)0,5 kV @ 60 sElectric capacitance49000 pF/kmPower frequency withstand voltage (wire - acket)0,5 kV @ 60 sV@ 60 s-40 °CMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testingBanding radius (installation)x Outer diameterSending radius (fixed)7 x Outer diameter	Characteristic impedance	100 Ω
Electric capacitance49000 pF/kmPower frequency withstand voltage (wire - acket)0,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testingBanding radius (installation)x Outer diameterBending radius (fixed)7 x Outer diameter	Electrical resistance line constant wire	87 Ω/km @ 20 °C
Power frequency withstand voltage (wire - acket)0,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2Chemical resistanceGood, application-related testingBasoline resistanceGood, application-related testingDil resistanceGood, application-related testing DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)7 x Outer diameter	AC withstand voltage (wire - wire)	0,5 kV @ 60 s
acket) 0,5 kV @ 80 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °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 Dil resistance Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Electric capacitance	49000 pF/km
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °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 Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Power frequency withstand voltage (wire - jacket)	0,5 kV @ 60 s
Deperating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Schemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Min. operating temperature (static)	-40 °C
Deperating temperature max. (dynamic) 70 °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 Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Max. operating temperature (fixed)	80 °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 Dil resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Sending radius (installation) x Outer diameter Gending radius (fixed) 7 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 7 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (installation)	x Outer diameter
3ending radius (dynamic) 12 x Outer diameter	Bending radius (fixed)	7 x Outer diameter
	Bending radius (dynamic)	12 x Outer diameter

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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