

# RCK-TWUM/BL12/30,0PUR-U - Connection socket



1524187

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Socket M23, angled, 12-pos., with 30 m master cable

## Commercial data

Item number	1524187
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRDCB
GTIN	4017918947323
Weight per piece (including packing)	3,306 g
Weight per piece (excluding packing)	3,306 g
Country of origin	DE

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## Technical data

### Product properties

Number of positions	12
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### Electrical properties

Nominal voltage $U_N$	48 V AC
	60 V DC

### Signaling

Status display present	no
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### Material specifications

Material Housing	PUR
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA
Material of contact surface, master cable side	gold-plated

### Cable/line

Cable length	30 m
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#### PUR/PVC black [PUR]

Dimensional drawing	
Cable weight	107.4 kg/km
UL AWM Style	20549 (80°C/300 V)
Number of positions	11
Shielded	no
Cable type	PUR/PVC black [PUR]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor structure, voltage supply	42x 0.15 mm
AWG power supply	18
Conductor cross-section	8x 0.34 mm <sup>2</sup> (Signal line)
	3x 0.75 mm <sup>2</sup> (power line)
Wire diameter incl. insulation	1.3 mm ±0.1 mm (Signal line)
	1.8 mm ±0.1 mm (power line)
External cable diameter	8.50 mm ±0.2 mm

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Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet
Inner sheath thickness	≥ 0.15 mm
Thickness, outer sheath	≥ 0.38 mm
Overall twist	Wires twisted in layers
Max. conductor resistance	≤ 53 Ω/km (Signal line) ≤ 26 Ω/km (power line)
Insulation resistance	≥ 5 MΩ*km
Nominal voltage, cable	300 V AC
Test voltage Core/Core	2000 V (50 Hz, 5 min.)
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	64 mm
Smallest bending radius, movable installation	85 mm
Dynamic load capacity (bending)	Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s
Flame resistance	DIN EN 50265
Resistance to oil	according to VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Special properties	Silicone-free
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-40 °C ... 125 °C

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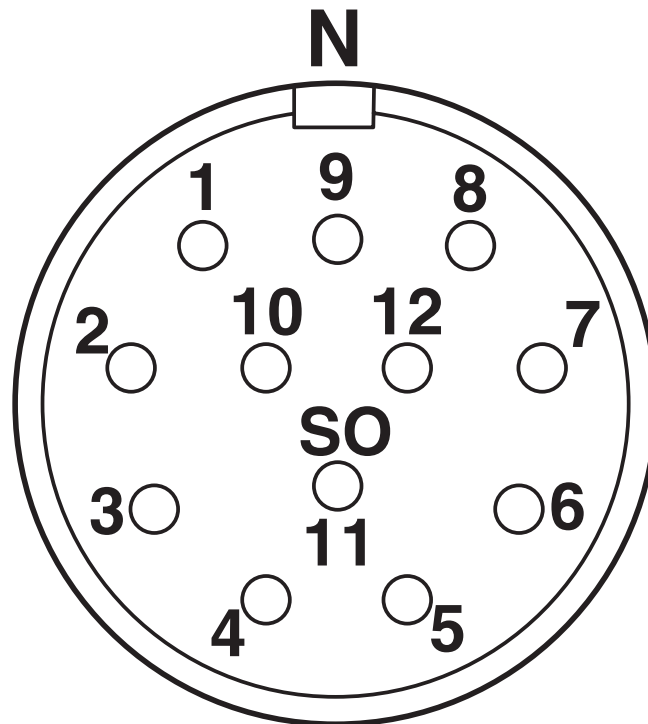


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## Drawings

Schematic diagram



Pin assignment M23 socket, 12-pos., female side view

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