

# RCK-TWGM/BL16+3/25,0PUR SH - Master cable



1511556

<https://www.phoenixcontact.com/us/products/1511556>

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Socket M23, 19-pos., angled, shielded, with shielded, connected master cable, length: 25 m

## Commercial data

Item number	1511556
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB34
Product key	ABRDCB
GTIN	4017918904326
Weight per piece (including packing)	5,874 g
Weight per piece (excluding packing)	5,217.072 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Master cable, assembled
Application	Sensor/actuator box
Number of positions	19

### Electrical properties

Nominal voltage $U_N$	48 V AC
	60 V DC

### Connection data

Connection method	Fixed connection
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### 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

### Connector

#### Connection 1

Head design	Socket
Head cable outlet	angled
Head thread type	M23

#### Connection 2

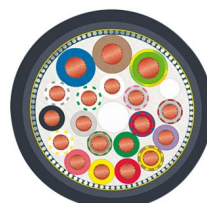
Head design	free cable end
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### Cable/line

Cable length	25 m
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PUR/PVC shielded, black [PUR]

Dimensional drawing



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Number of positions	19
Shielded	yes
Cable type	PUR/PVC shielded, black [PUR]
Conductor structure signal line	64x 0.10 mm
AWG signal line	20
Conductor structure, voltage supply	128x 0.10 mm
AWG power supply	17
Conductor cross-section	16x 0.5 mm <sup>2</sup> (Signal line) 3x 1 mm <sup>2</sup> (Power supply)
Wire diameter incl. insulation	1.6 mm (Signal line) 2 mm (power line)
External cable diameter	11.60 mm ±0.3 mm
Outer sheath, material	PUR
External sheath, color	deep 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, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown
Overall twist	Wires twisted in layers
Nominal voltage, cable	300 V
Test voltage	2000 V
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 Free of substances which would hinder coating with paint or varnish
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

Drawings

Schematic diagram

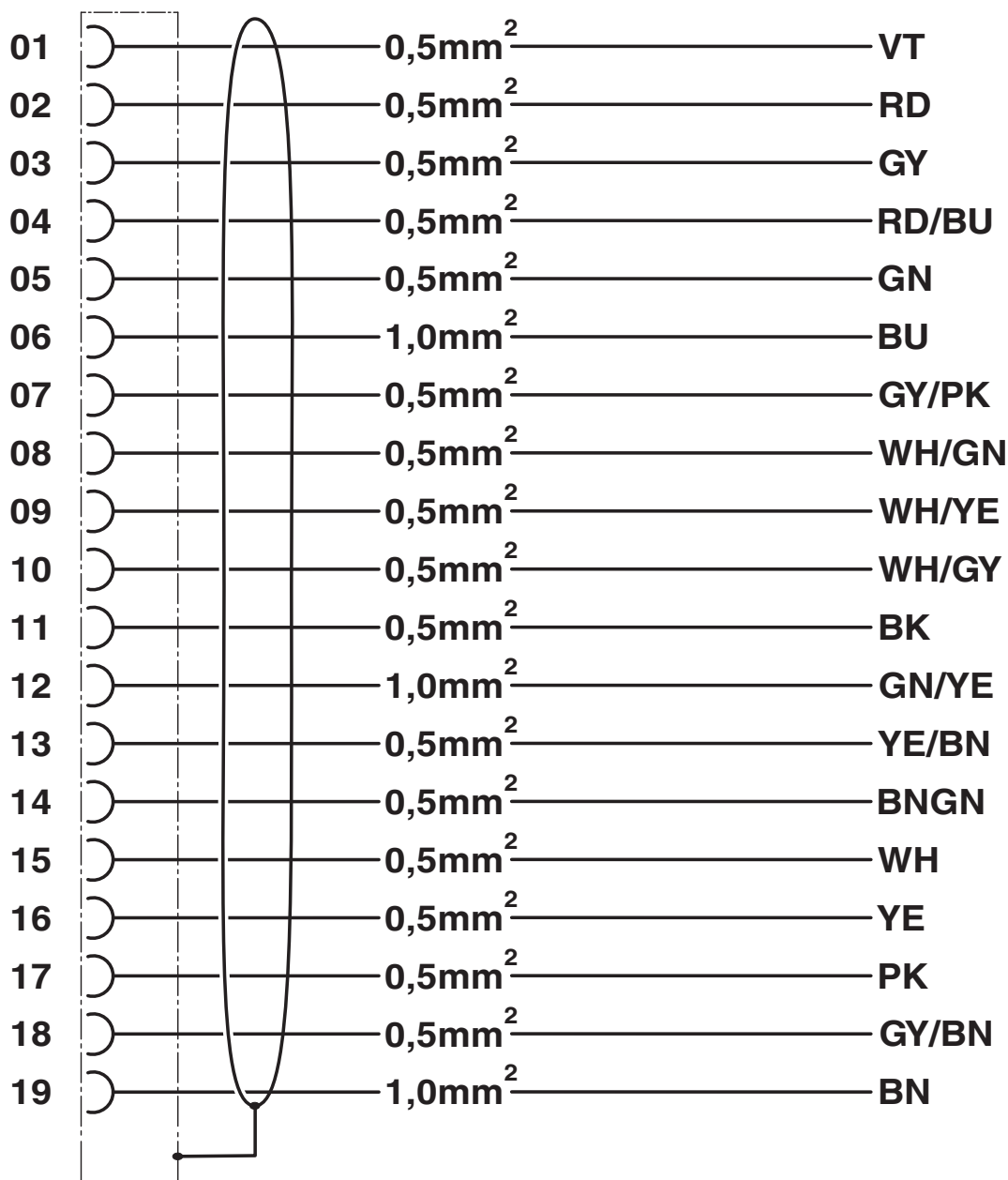


Pin assignment M23 socket, 19-pos., female side view

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Circuit diagram



Circuit diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1511556>



**EAC**

Approval ID: 19060508

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## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### ETIM

ETIM 10.0	EC001855
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	52f1c2d9-db29-4493-8658-5d1c8d194245

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