RCK-TWGM/BL16+3/10,0PUR SH - Master cable

1511828

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Master cable, application: Sensor/actuator box, connection method: M12 socket Metal, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: yes, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260759

Commercial data

Item number	1511828
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB34
Product key	ABRDCB
Catalog page	Page 314 (C-2-2019)
GTIN	4017918908317
Weight per piece (including packing)	2,499 g
Weight per piece (excluding packing)	2,379.207 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Notes

Notes on operation	The master cable is earmarked for use on the sensor/actuator boxes with an M23 plug-in connection.

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

Signaling

Status display present	No

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

Cable/line

Cable length	10 m
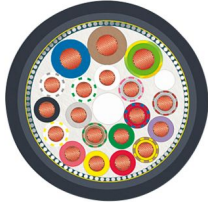
PUR/PVC shielded, black [PUR]

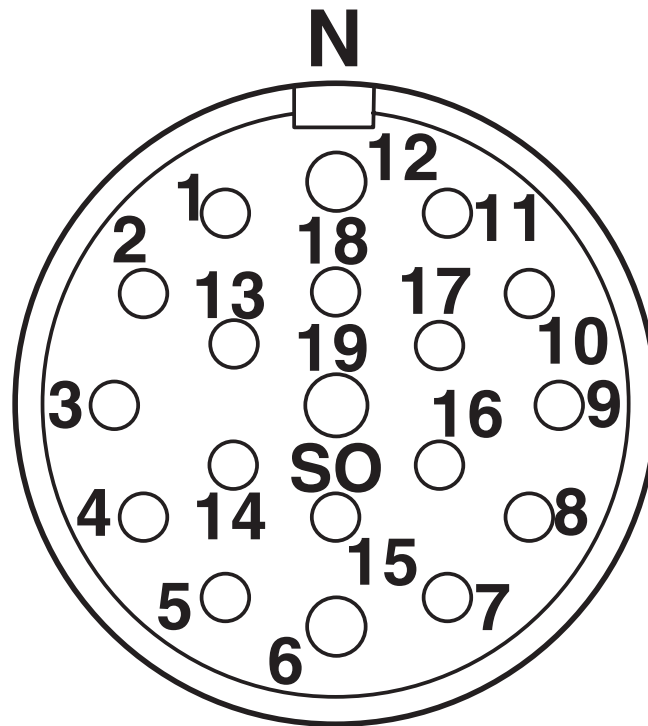| Dimensional drawing	
Number of positions	19
Shielded	yes
Cable type	PUR/PVC shielded, black [PUR]
Conductor structure signal line	64x 0.10 mm
AWG signal line	20
Conductor cross section	16x 0.5 mm² (Signal line)
	3x 1 mm² (Power supply)
External cable diameter	11.60 mm ±0.3 mm
Outer sheath, material	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
Max. bending cycles	1500000
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 (Plug / socket)

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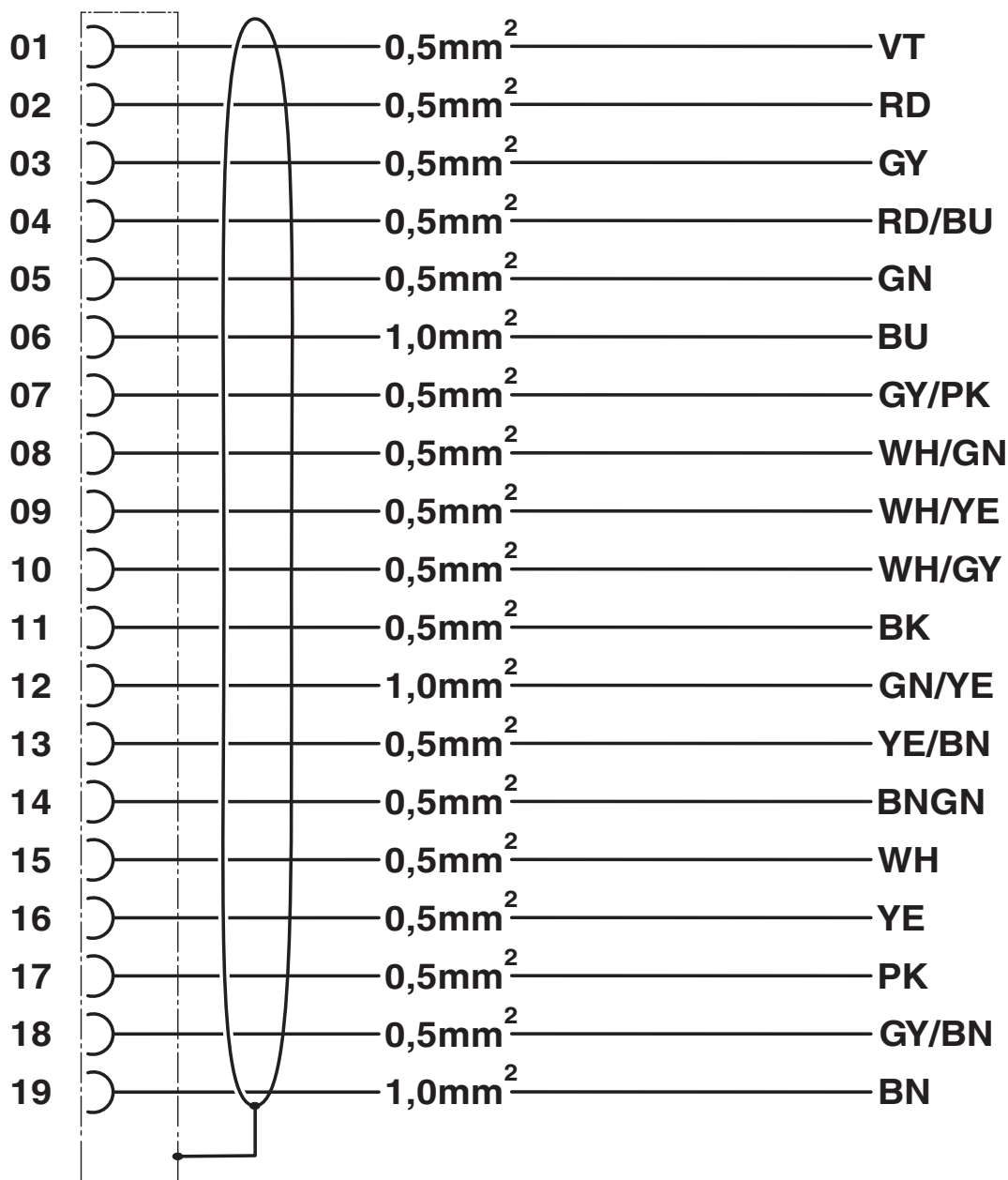
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Drawings

Schematic diagram

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

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Circuit diagram

Pin		Terminal
01	$0,5mm^2$	VT
02	$0,5mm^2$	RD
03	$0,5mm^2$	GY
04	$0,5mm^2$	RD/BU
05	$0,5mm^2$	GN
06	$1,0mm^2$	BU
07	$0,5mm^2$	GY/PK
08	$0,5mm^2$	WH/GN
09	$0,5mm^2$	WH/YE
10	$0,5mm^2$	WH/GY
11	$0,5mm^2$	BK
12	$1,0mm^2$	GN/YE
13	$0,5mm^2$	YE/BN
14	$0,5mm^2$	BNGN
15	$0,5mm^2$	WH
16	$0,5mm^2$	YE
17	$0,5mm^2$	PK
18	$0,5mm^2$	GY/BN
19	$1,0mm^2$	BN

Approvals

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	EAC
	Approval ID: 19060508

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Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

ETIM

ETIM 8.0	EC001855

UNSPSC

UNSPSC 21.0	26121600

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	4ea4a171-f3cf-4697-a2a8-fa4fbc627382

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