

## Cable - CABLE-D 9SUB/B/S/200/KONFEK/S - 2302010


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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 892975
GTIN	4017918892975

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation)
	-10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP20
	≥ IP54 (Installation location)

#### General

Max. permissible operating voltage	25 V AC
	60 V DC
Max. current carrying capacity per path	2 A (see to derating)
Length of cable	2 m
External cable diameter	6.7 mm ±0.5 mm
Single wire, cross section	0.25 mm <sup>2</sup>
Single wire, cross section [AWG]	24
Single wire, number of litz wires	14
Single wire, material	Cu uninsulated
Wire diameter incl. insulation	1.2 mm ±0.05 mm

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## Technical data

### General

Smallest bending radius, fixed installation	58 mm
Smallest bending radius, movable installation	108 mm
Bending cycles	5000 (at a radius of $\geq 15x$ outside diameter)
Shielding	yes
	Tinned copper-braided shield, approx. 85% covering
Cable insulation resistance	$\geq 20 \text{ M}\Omega/\text{km}$ (at 20 °C)
Cable resistance	$\leq 80 \text{ }\Omega/\text{km}$ (at 20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Nominal operating mode	100% operating factor

### Connection data

Connection name	Field level
Connection method	D-SUB pin strip
Number of connections	1
Number of positions	9
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Connection data 2

Connection name	Controller level
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	9
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Standards and Regulations

Flame resistance	UL VW-1
	CSA FT-1
	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	125 V
Rated surge voltage	1.2 kV
Insulation	Functional insulation
Pollution degree	2

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## Technical data

### Standards and Regulations

Overvoltage category	II
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### Supported controller

Controller	universal
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### Color code

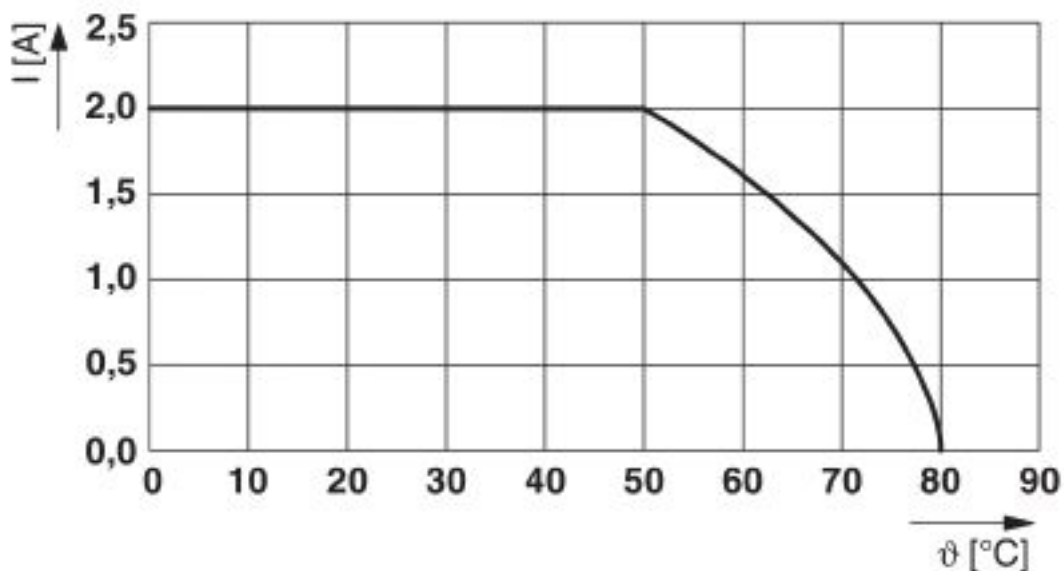
Connector 1 = connector 2 (optional) = wire color	D-SUB9 (1) = D-SUB9 (1) = white
	D-SUB9 (2) = D-SUB9 (2) = brown
	D-SUB9 (3) = D-SUB9 (3) = green
	D-SUB9 (4) = D-SUB9 (4) = yellow
	D-SUB9 (5) = D-SUB9 (5) = gray
	D-SUB9 (6) = D-SUB9 (6) = pink
	D-SUB9 (7) = D-SUB9 (7) = blue
	D-SUB9 (8) = D-SUB9 (8) = red
	D-SUB9 (9) = D-SUB9 (9) = black

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Diagram



Maximum permissible current per path in uncoiled state

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## Classifications

### eCl@ss

eCl@ss 10.0.1	27242220
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27249200
eCl@ss 7.0	27249205
eCl@ss 8.0	27249205
eCl@ss 9.0	27242220

### ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 5.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

### UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620
UNSPSC 12.01	26121620
UNSPSC 13.2	26121620
UNSPSC 18.0	26121620
UNSPSC 19.0	26121620
UNSPSC 20.0	26121620
UNSPSC 21.0	26121620

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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### Approval details

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## Approvals

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	70002966
Nominal voltage UN		125 V	
Nominal current IN		1 A	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

EAC		RU* DE.HB*35.B00385
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cULus Recognized	
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## Accessories

### Accessories

#### Marker carrier cable

Cable marker carrier - KME - 0807083



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable binders, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

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