

# CABLE-D 9SUB/B/S/ 50/KONFEK/S - Cable



2299987

<https://www.phoenixcontact.com/in/products/2299987>

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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: 0.5 m

## Commercial Data

Item number	2299987
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CK2
Product Key	CK2135
Catalog Page	Page 570 (C-5-2019)
GTIN	4017918892944
Weight per Piece (including packing)	86.6 g
Weight per Piece (excluding packing)	85 g
Customs tariff number	85444290
Country of origin	HU

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## Technical Data

### Product properties

Product type	System cable
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### Insulation characteristics

Insulation	Functional insulation
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### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Environmental and real-life conditions

#### Ambient conditions

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

### Electrical properties

Max. permissible operating voltage	25 V AC
	60 V DC
Nominal operating mode	100% operating factor
Max. current carrying capacity per path	2 A (see to derating)

#### Air clearances and creepage distances

Rated insulation voltage	125 V
Rated surge voltage	1.2 kV

### Cable/line

Cable length	0.5 m
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#### 9X0.25 [PVC]

Number of positions	9
Shielded	yes
Cable type	9X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross section	9x 0.25 mm <sup>2</sup>
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	6.7 mm ±0.5 mm

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Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	$\leq 80 \Omega/\text{km}$ (at 20 °C)
Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$ (at 20 °C)
Smallest bending radius, fixed installation	58 mm
Smallest bending radius, movable installation	108 mm
Max. bending cycles	5000 (at a radius of $\geq 15x$ outside diameter)
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable) VDE 0842, Part 332-1-2 (raw cable) IEC 60332-3-22 (raw cable) UL VW-1 CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

## color code

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

## Connection data

### Field level

Connection method	D-SUB pin strip
Number of connections	1
Number of positions	9
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Controller level

Connection method	D-SUB socket strip
Number of connections	1
Number of positions	9
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200

## Standards and regulations

### Air clearances and creepage distances

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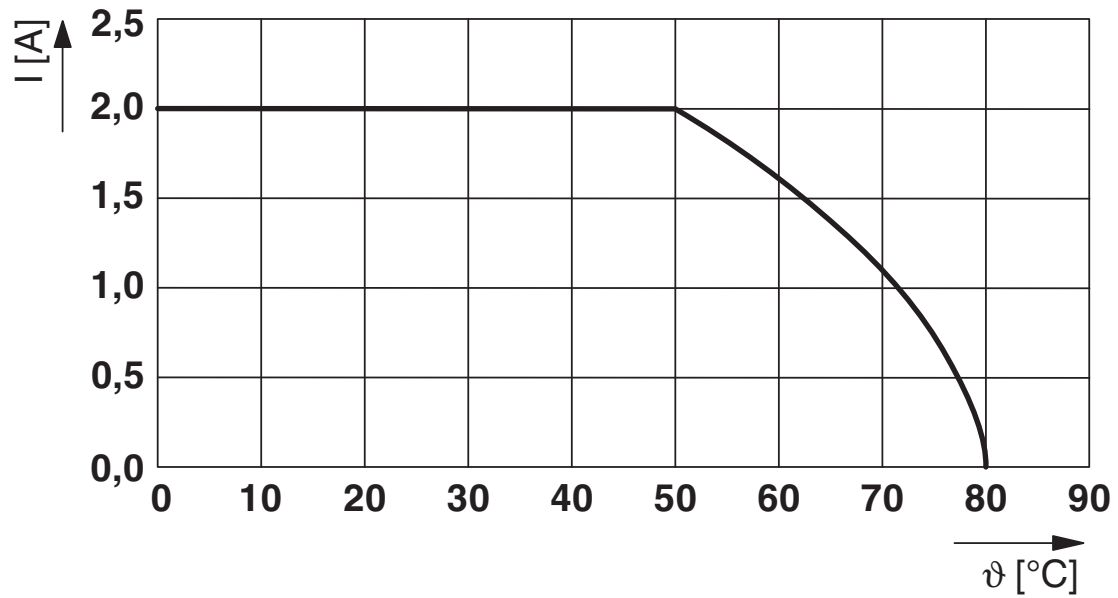
<https://www.phoenixcontact.com/in/products/2299987>

Standards/regulations

DIN EN 50178

## Drawings

Diagram



Maximum permissible current per path in uncoiled state


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## Approvals

 **CSA**  
Approval ID: 70002966

 **cUL Recognized**  
Approval ID: FILE E 238705

 **UL Recognized**  
Approval ID: FILE E 238705

 **EAC**  
Approval ID: RU\*-DE.HB\*35.B00385

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## Classifications

### ECLASS

ECLASS-10.0.1	27242220
ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

### ETIM

ETIM 8.0	EC000237
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"



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## Accessories

### KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/in/products/0807083>



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

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