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CABLE-D-25SUB/F/OE/0,25/S/1,0M - Cable

2926166

https://www.phoenixcontact.com/pc/products/2926166

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 25-position); cable length: 1 m

Your advantages

- Individual wire marking: 1, 2, 3, 4, etc.
- Individual wires fitted with ferrules
- Connector in accordance with IEC 60807-2/DIN 41652
- 1:1 connection
- Open end at one end
- D-SUB socket or pin strip at one end
- Screw connection: 2 UNC 4-40 screws
- Shield connection: H05V-K 1 mm² cable, black, length: 0.5 m

Commercial data

Item number	2926166
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK2254
Catalog page	Page 576 (C-5-2019)
GTIN	4046356546829
Weight per piece (including packing)	200.3 g
Weight per piece (excluding packing)	190.2 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	System cable

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

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path)	≤ 2 A (Uncoiled, see derating)

Cable/line

Cable length	1 m

25X0.25 [PVC]

UL AWM Style	2464/1061
Number of positions	25
Shielded	yes
Cable type	25X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross section	25x 0.25 mm²
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	9.80 mm ±0.5 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 80 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (at 20 °C)
Smallest bending radius, fixed installation	82 mm
Smallest bending radius, movable installation	155 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no

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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

white	D-SUB25 (1) = ()
brown	D-SUB25 (2) = ()
green	D-SUB25 (3) = ()
yellow	D-SUB25 (4) = ()
gray	D-SUB25 (5) = ()
pink	D-SUB25 (6) = ()
blue	D-SUB25 (7) = ()
red	D-SUB25 (8) = ()
black	D-SUB25 (9) = ()
violet	D-SUB25 (10) = ()
gray-pink	D-SUB25 (11) = ()
red-blue	D-SUB25 (12) = ()
white-green	D-SUB25 (13) = ()
brown-green	D-SUB25 (14) = ()
white-yellow	D-SUB25 (15) = ()
yellow-brown	D-SUB25 (16) = ()
white-gray	D-SUB25 (17) = ()
gray-brown	D-SUB25 (18) = ()
white-pink	D-SUB25 (19) = ()
pink-brown	D-SUB25 (20) = ()
white-blue	D-SUB25 (21) = ()
brown-blue	D-SUB25 (22) = ()
white-red	D-SUB25 (23) = ()
brown-red	D-SUB25 (24) = ()
white-black	D-SUB25 (25) = ()

Connection data

Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈ mm
Number of positions	25
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

Connection 2

Connection in acc. with standard	IEC 60807-2
	DIN 41652

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Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	25
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Notes

Notes on operation	No additional touch protection is required when using a SELV/PELV voltage (≤30 V AC or 60 V DC).
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

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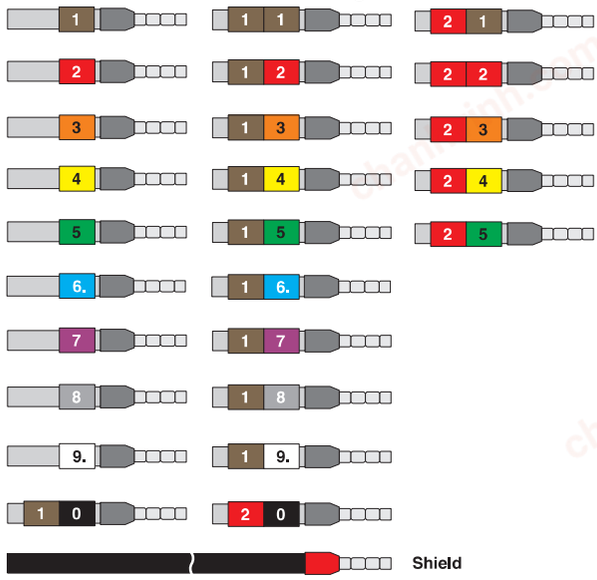
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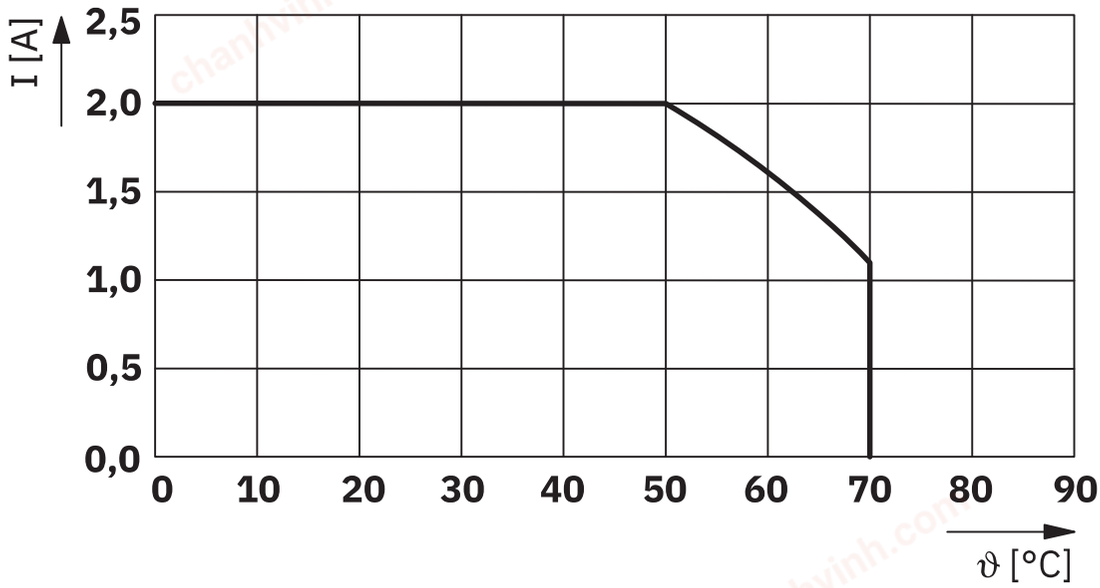
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Drawings

Schematic diagram



Diagram



Maximum permissible current per path in uncoiled state

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/2926166

CSA
Approval ID: 70002966

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	-	-

cUL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	2 A	-	-

UL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	2 A	-	-

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

cULus Listed
Approval ID: E238705 V22/S5

cULus Recognized

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)

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	a1bee3fd-af18-498b-8927-bfa476053b92

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