CABLE-D25SUB/B/S/200/KONFEK/S - Cable

2302159

https://www.phoenixcontact.com/us/products/2302159

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 2 m

Commercial data

Item number	2302159
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK2252
GTIN	4017918893118
Weight per piece (including packing)	382.3 g
Weight per piece (excluding packing)	382 g
Customs tariff number	85444290
Country of origin	HU

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) (fixed installation)	-40 °C ... 70 °C (fixed installation)
Ambient temperature (operation) (flexible 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)

Supported controller: ABB S800 I/O

Suitable I/O card	DI810
	DI811
	DI814
	DI818
	DI830
	DI831
	DI840
	DI885
	DO810
	DO814
	DO818
	DO840
	DP820
	DP840
	AI810
	AI820
	AI830
	AI835
	AI845
	AO810
	AO820

Cable/line

Cable length	2 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
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)
Cable type	Cable for one module

Color code: Single-core wire

white	D-SUB25 (1) = D-SUB25 (1)
brown	D-SUB25 (2) = D-SUB25 (2)
green	D-SUB25 (3) = D-SUB25 (3)
yellow	D-SUB25 (4) = D-SUB25 (4)
gray	D-SUB25 (5) = D-SUB25 (5)
pink	D-SUB25 (6) = D-SUB25 (6)
blue	D-SUB25 (7) = D-SUB25 (7)
red	D-SUB25 (8) = D-SUB25 (8)
black	D-SUB25 (9) = D-SUB25 (9)
violet	D-SUB25 (10) = D-SUB25 (10)
gray-pink	D-SUB25 (11) = D-SUB25 (11)

red-blue	D-SUB25 (12) = D-SUB25 (12)
white-green	D-SUB25 (13) = D-SUB25 (13)
brown-green	D-SUB25 (14) = D-SUB25 (14)
white-yellow	D-SUB25 (15) = D-SUB25 (15)
yellow-brown	D-SUB25 (16) = D-SUB25 (16)
white-gray	D-SUB25 (17) = D-SUB25 (17)
gray-brown	D-SUB25 (18) = D-SUB25 (18)
white-pink	D-SUB25 (19) = D-SUB25 (19)
pink-brown	D-SUB25 (20) = D-SUB25 (20)
white-blue	D-SUB25 (21) = D-SUB25 (21)
brown-blue	D-SUB25 (22) = D-SUB25 (22)
white-red	D-SUB25 (23) = D-SUB25 (23)
brown-red	D-SUB25 (24) = D-SUB25 (24)
white-black	D-SUB25 (25) = D-SUB25 (25)

Connection data

Connection 1

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

Connection 2

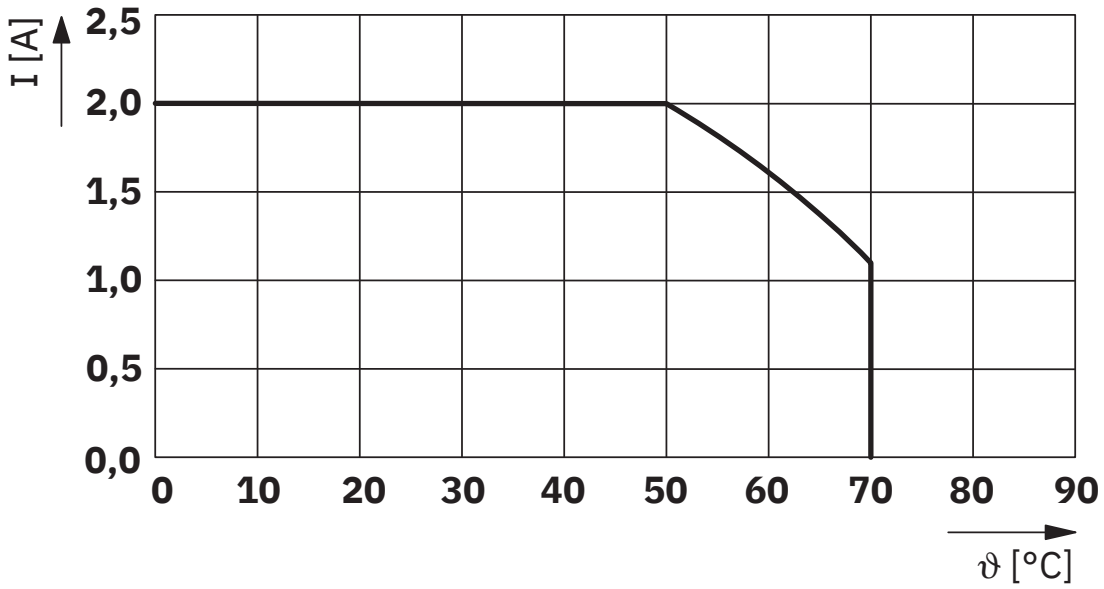
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	25
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Notes

Notes on operation	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.

Drawings

Diagram



Maximum permissible current per path in uncoiled state

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2302159

CSA
Approval ID: 70002966

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

cUL Recognized
Approval ID: E238705

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

UL Recognized
Approval ID: E238705

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

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

cULus Listed
Approval ID: E238705 V22/S5

Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)-I

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	1b15a159-7959-4cd0-99cb-f21959f464f5

EF3.1 Climate Change

CO2e kg	3.973 kg CO2e

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