

CABLE-D25SUB/B/S/ 50/KONFEK/S - Cable



2302120
<https://www.phoenixcontact.com/pc/products/2302120>

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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: 0.5 m

Commercial data

Item number	2302120
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK2252
Catalog page	Page 570 (C-5-2019)
GTIN	4017918893088
Weight per piece (including packing)	158 g
Weight per piece (excluding packing)	149.2 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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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)

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

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Cable/line

Cable length	0.5 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 mm ²
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
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)
D-SUB25 (1)	D-SUB25 (1) = white
D-SUB25 (2)	D-SUB25 (2) = brown
D-SUB25 (3)	D-SUB25 (3) = green
D-SUB25 (4)	D-SUB25 (4) = yellow
D-SUB25 (5)	D-SUB25 (5) = gray
D-SUB25 (6)	D-SUB25 (6) = pink
D-SUB25 (7)	D-SUB25 (7) = blue
D-SUB25 (8)	D-SUB25 (8) = red
D-SUB25 (9)	D-SUB25 (9) = black
D-SUB25 (10)	D-SUB25 (10) = violet
D-SUB25 (11)	D-SUB25 (11) = gray-pink
D-SUB25 (12)	D-SUB25 (12) = red-blue
D-SUB25 (13)	D-SUB25 (13) = white-green
D-SUB25 (14)	D-SUB25 (14) = brown-green

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D-SUB25 (15)	D-SUB25 (15) = white-yellow
D-SUB25 (16)	D-SUB25 (16) = yellow-brown
D-SUB25 (17)	D-SUB25 (17) = white-gray
D-SUB25 (18)	D-SUB25 (18) = gray-brown
D-SUB25 (19)	D-SUB25 (19) = white-pink
D-SUB25 (20)	D-SUB25 (20) = pink-brown
D-SUB25 (21)	D-SUB25 (21) = white-blue
D-SUB25 (22)	D-SUB25 (22) = brown-blue
D-SUB25 (23)	D-SUB25 (23) = white-red
D-SUB25 (24)	D-SUB25 (24) = brown-red
D-SUB25 (25)	D-SUB25 (25) = white-black
Cable type	Cable for one module

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

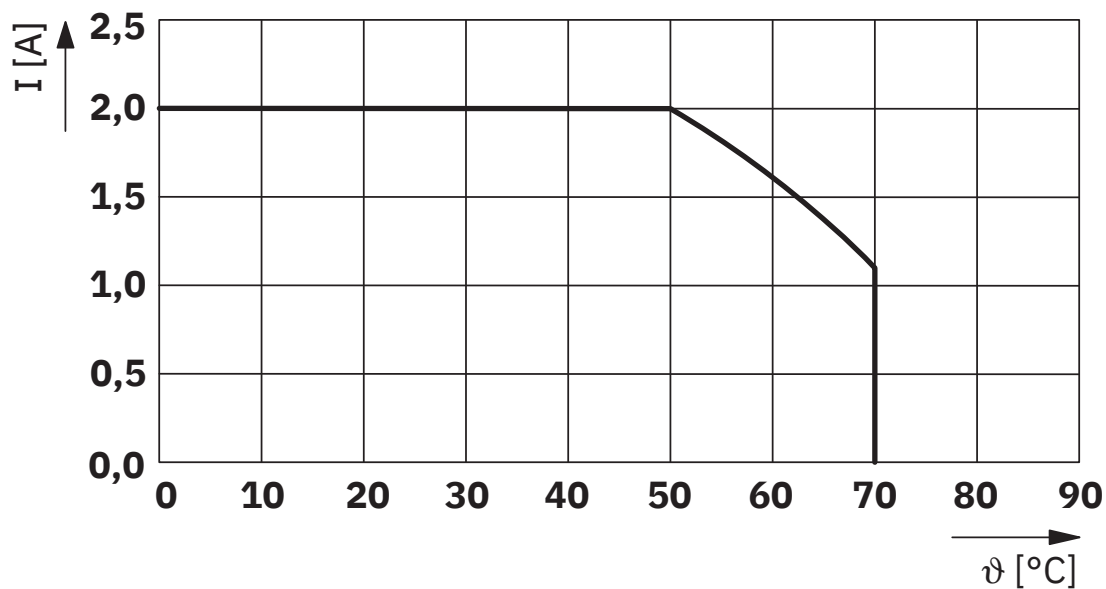
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	25
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

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.
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Drawings

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/2302120>

	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: FILE E 238705			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	2 A	-	-

	UL Recognized Approval ID: FILE E 238705			
	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 Recognized				
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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000237
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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	841a68ad-c44d-4e51-ab12-c0a823e646b9