

2302311

<https://www.phoenixcontact.com/us/products/2302311>

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 4 m

Commercial data

Item number	2302311
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK2252
Catalog page	Page 570 (C-5-2019)
GTIN	4017918894849
Weight per piece (including packing)	1,160 g
Weight per piece (excluding packing)	1,160 g
Customs tariff number	85444290
Country of origin	HU

CABLE-D50SUB/B/S/400/KONFEK/S - Cable



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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)

Cable/line

Cable length	4 m
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50X0.25 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	yes
Cable type	50X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross section	50x 0.25 mm ²
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	12.40 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	106 mm
Smallest bending radius, movable installation	200 mm
Max. bending cycles	(at a radius of ≥ 15x outside diameter)
Bending radius	5000 mm

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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-SUB50 (1)	D-SUB50 (1) = white
D-SUB50 (2)	D-SUB50 (2) = brown
D-SUB50 (3)	D-SUB50 (3) = green
D-SUB50 (4)	D-SUB50 (4) = yellow
D-SUB50 (5)	D-SUB50 (5) = gray
D-SUB50 (6)	D-SUB50 (6) = pink
D-SUB50 (7)	D-SUB50 (7) = blue
D-SUB50 (8)	D-SUB50 (8) = red
D-SUB50 (9)	D-SUB50 (9) = black
D-SUB50 (10)	D-SUB50 (10) = violet
D-SUB50 (11)	D-SUB50 (11) = gray-pink
D-SUB50 (12)	D-SUB50 (12) = red-blue
D-SUB50 (13)	D-SUB50 (13) = white-green
D-SUB50 (14)	D-SUB50 (14) = brown-green
D-SUB50 (15)	D-SUB50 (15) = white-yellow
D-SUB50 (16)	D-SUB50 (16) = yellow-brown
D-SUB50 (17)	D-SUB50 (17) = white-gray
D-SUB50 (18)	D-SUB50 (18) = gray-brown
D-SUB50 (19)	D-SUB50 (19) = white-pink
D-SUB50 (20)	D-SUB50 (20) = pink-brown
D-SUB50 (21)	D-SUB50 (21) = white-blue
D-SUB50 (22)	D-SUB50 (22) = brown-blue
D-SUB50 (23)	D-SUB50 (23) = white-red
D-SUB50 (24)	D-SUB50 (24) = brown-red
D-SUB50 (25)	D-SUB50 (25) = white-black
D-SUB50 (26)	D-SUB50 (26) = brown-black
D-SUB50 (27)	D-SUB50 (27) = gray-green
D-SUB50 (28)	D-SUB50 (28) = yellow-gray
D-SUB50 (29)	D-SUB50 (29) = pink-green
D-SUB50 (30)	D-SUB50 (30) = yellow-pink
D-SUB50 (31)	D-SUB50 (31) = green-blue
D-SUB50 (32)	D-SUB50 (32) = yellow-blue
D-SUB50 (33)	D-SUB50 (33) = green-red
D-SUB50 (34)	D-SUB50 (34) = yellow-red
D-SUB50 (35)	D-SUB50 (35) = green-black
D-SUB50 (36)	D-SUB50 (36) = yellow-black
D-SUB50 (37)	D-SUB50 (37) = gray-blue

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D-SUB50 (38)	D-SUB50 (38) = pink-blue
D-SUB50 (39)	D-SUB50 (39) = gray-red
D-SUB50 (40)	D-SUB50 (40) = pink-red
D-SUB50 (41)	D-SUB50 (41) = gray-black
D-SUB50 (42)	D-SUB50 (42) = pink-black
D-SUB50 (43)	D-SUB50 (43) = blue-black
D-SUB50 (44)	D-SUB50 (44) = red-black
D-SUB50 (45)	D-SUB50 (45) = white-brown
D-SUB50 (46)	D-SUB50 (46) = yellow-green
D-SUB50 (47)	D-SUB50 (47) = gray-pink
D-SUB50 (48)	D-SUB50 (48) = blue-red
D-SUB50 (49)	D-SUB50 (49) = white-green
D-SUB50 (50)	D-SUB50 (50) = green-brown

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	50
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Connection 2

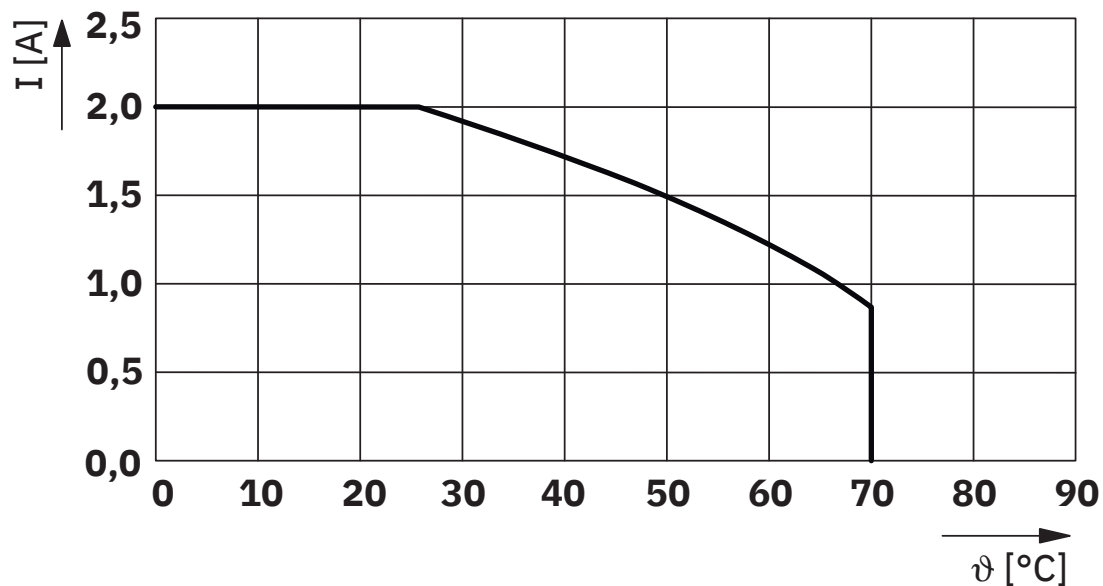
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	50
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

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/us/products/2302311>

	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	053ca519-7f6e-4028-a210-3296f6b8355e

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Accessories

KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/us/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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