

2302162

<https://www.phoenixcontact.com/us/products/2302162>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

Commercial data

Item number	2302162
Packing unit	1 pc
Sales key	C421
Product key	CK2135
Catalog page	Page 570 (C-5-2019)
GTIN	4017918893125
Weight per piece (including packing)	534 g
Weight per piece (excluding packing)	512.6 g
Customs tariff number	85444290
Country of origin	HU

CABLE-D25SUB/B/S/300/KONFEK/S - Cable



2302162

<https://www.phoenixcontact.com/us/products/2302162>

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)

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-D25SUB/B/S/300/KONFEK/S - Cable



2302162

<https://www.phoenixcontact.com/us/products/2302162>

Cable/line

Cable length	3 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	9.8 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)

color code

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

CABLE-D25SUB/B/S/300/KONFEK/S - Cable



2302162

<https://www.phoenixcontact.com/us/products/2302162>

D-SUB25 (14)	D-SUB25 (14) = brown-green
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

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

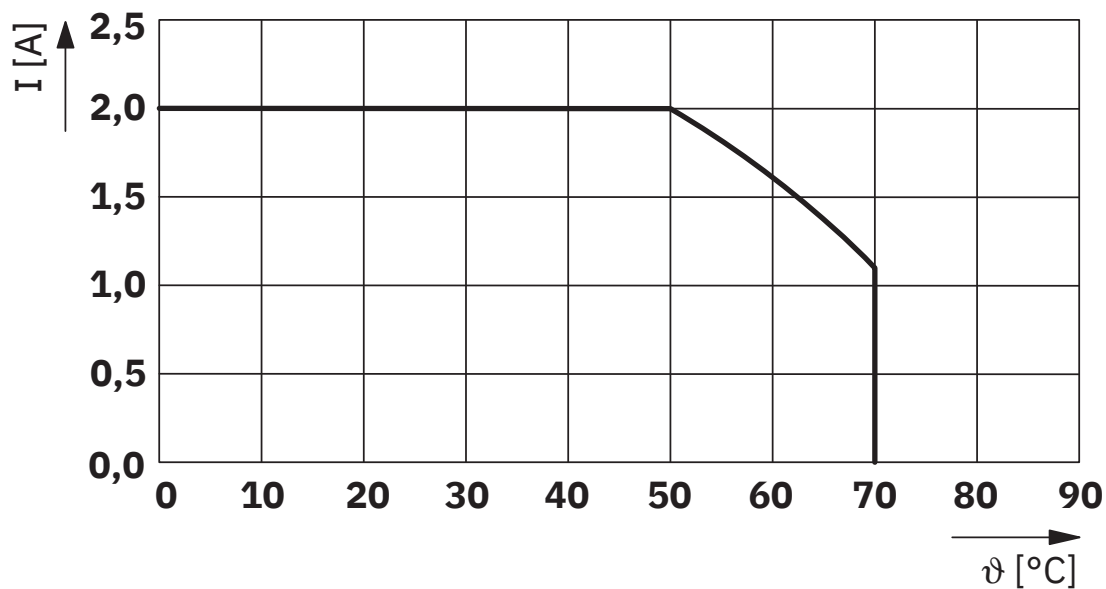
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	25
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Notes

General	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

CABLE-D25SUB/B/S/300/KONFEK/S - Cable



2302162

<https://www.phoenixcontact.com/us/products/2302162>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2302162>

 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				
-------------------------	--	--	--	--

CABLE-D25SUB/B/S/300/KONFEK/S - Cable



2302162

<https://www.phoenixcontact.com/us/products/2302162>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000237
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

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"

CABLE-D25SUB/B/S/300/KONFEK/S - Cable



2302162

<https://www.phoenixcontact.com/us/products/2302162>

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

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com