

Cable - CABLE-D25SUB/B/S/400/KONFEK/S - 2302175


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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 4 m



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 893132
GTIN	4017918893132

Technical data

Dimensions

Length	4 m
--------	-----

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation) -10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP20 ≥ IP54 (Installation location)

General

Max. permissible operating voltage	25 V AC 60 V DC
Max. current carrying capacity per path	2 A (see to derating)
Nominal operating mode	100% operating factor

Cable

Length of cable	4 m
Type of cable	Assembled shielded round cable

Cable - CABLE-D25SUB/B/S/400/KONFEK/S - 2302175

Technical data

Cable

Single wires, quantity	14
Single wire, material	Cu uninsulated
Single wire, cross section	0.25 mm ²
Single wire, cross section [AWG]	24
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	9.8 mm ±0.5 mm
Shielding	yes
	Tinned copper-braided shield, approx. 85% covering
Halogen-free cable	No
Cable type	Cable for one module
Smallest bending radius, fixed installation	82 mm
Smallest bending radius, movable installation	155 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Cable insulation resistance	≥ 20 MΩ/km (at 20 °C)
Cable resistance	≤ 80 Ω/km (at 20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
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)
Gasoline resistance	can withstand occasional splashes (raw cable)

Connection data

Connection name	Field level
Connection method	D-SUB pin strip
Number of connections	1
Number of positions	25
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

Connection data 2

Connection name	Controller level
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	25
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

Standards and Regulations

Cable - CABLE-D25SUB/B/S/400/KONFEK/S - 2302175

Technical data

Standards and Regulations

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)
Gasoline resistance	can withstand occasional splashes (raw cable)
Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	125 V
Rated surge voltage	1.2 kV
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

Supported controller

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

Color code

Connector 1 = connector 2 (optional) = wire color	D-SUB25 (1) = D-SUB25 (1) = white
---	-----------------------------------

Cable - CABLE-D25SUB/B/S/400/KONFEK/S - 2302175

Technical data

Color code

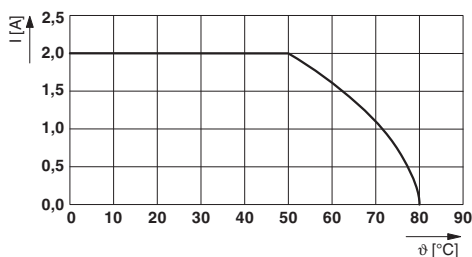
	D-SUB25 (2) = D-SUB25 (2) = brown
	D-SUB25 (3) = D-SUB25 (3) = green
	D-SUB25 (4) = D-SUB25 (4) = yellow
	D-SUB25 (5) = D-SUB25 (5) = gray
	D-SUB25 (6) = D-SUB25 (6) = pink
	D-SUB25 (7) = D-SUB25 (7) = blue
	D-SUB25 (8) = D-SUB25 (8) = red
	D-SUB25 (9) = D-SUB25 (9) = black
	D-SUB25 (10) = D-SUB25 (10)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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



Maximum permissible current per path in uncoiled state

Cable - CABLE-D25SUB/B/S/400/KONFEK/S - 2302175

Classifications

eCl@ss

eCl@ss 10.0.1	27242220
eCl@ss 11.0	27242220
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27249200
eCl@ss 7.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620
UNSPSC 12.01	26121620
UNSPSC 13.2	26121620
UNSPSC 18.0	26121620
UNSPSC 19.0	26121620
UNSPSC 20.0	26121620
UNSPSC 21.0	26121620

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

Cable - CABLE-D25SUB/B/S/400/KONFEK/S - 2302175

Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	70002966
Nominal voltage UN		125 V	
Nominal current IN		1 A	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

EAC		RU* DE.HB*35.B00385
-----	--	------------------------

cULus Recognized	
------------------	--

Accessories

Accessories

Marker carrier cable

Cable marker carrier - KME - 0807083



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable binders, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

Phoenix Contact 2021 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>