

CABLE-D25SUB/B/2X14/300/TU812 - Cable



2304665

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Round cable set; controller: ABB S800 I/O; connection 1: D-SUB socket strip (1x 25-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 3 m



Commercial data

Item number	2304665
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK2151
Catalog page	Page 469 (C-5-2019)
GTIN	4017918951344
Weight per piece (including packing)	396.2 g
Weight per piece (excluding packing)	382 g
Customs tariff number	85444290
Country of origin	DE

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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	IP00
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, 50°C)	≤ 1 A (Uncoiled, see derating)
Current (Per path, 70°C)	≤ 0.6 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

Cable/line

Cable length	3 m
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14X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	14
Shielded	no
Cable type	14X0.14 [PVC]
Conductor type	Round cable set

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Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	14x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.40 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 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)	IDC/FLK14-1 (9) = gray
D-SUB25 (2)	IDC/FLK14-1 (10) = white
D-SUB25 (3)	IDC/FLK14-1 (1) = black
D-SUB25 (4)	IDC/FLK14-1 (3) = red
D-SUB25 (5)	IDC/FLK14-1 (5) = yellow
D-SUB25 (6)	IDC/FLK14-1 (7) = blue
D-SUB25 (7)	IDC/FLK14-2 (1) = black
D-SUB25 (8)	IDC/FLK14-2 (3) = red
D-SUB25 (9)	IDC/FLK14-2 (5) = yellow
D-SUB25 (10)	IDC/FLK14-2 (7) = blue
D-SUB25 (11)	IDC/FLK14-2 (9) = gray
D-SUB25 (12)	IDC/FLK14-2 (10) = white
D-SUB25 (13)	() =
D-SUB25 (14)	IDC/FLK14-1 (11) = white-black
D-SUB25 (15)	IDC/FLK14-1 (12) = white-brown
D-SUB25 (16)	IDC/FLK14-1 (2) = brown
D-SUB25 (17)	IDC/FLK14-1 (4) = orange
D-SUB25 (18)	IDC/FLK14-1 (6) = green
D-SUB25 (19)	IDC/FLK14-1 (8) = violet
D-SUB25 (20)	IDC/FLK14-2 (2) = brown
D-SUB25 (21)	IDC/FLK14-2 (4) = orange
D-SUB25 (22)	IDC/FLK14-2 (6) = green
D-SUB25 (23)	IDC/FLK14-2 (8) = violet
D-SUB25 (24)	IDC/FLK14-2 (11) = white-black

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D-SUB25 (25)	IDC/FLK14-2 (12) = white-brown
Cable type	Splitting cable for two modules

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
	M2,5
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	based on IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	2
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 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.
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