

Cable - CABLE-D25SUB/B/S/600/KONFEK/S - 2302188

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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: 6 m



COMPLIANT

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 893149
GTIN	4017918893149

Technical data

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 (50 °C)
	1 A (70 °C)
Length of cable	6 m
External cable diameter	9.8 mm ±0.5 mm
Single wire, cross section	0.25 mm ²
Single wire, cross section [AWG]	24
Single wire, number of litz wires	14
Single wire, material	Cu uninsulated

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Technical data

General

Wire diameter incl. insulation	1.2 mm ±0.05 mm
Smallest bending radius, fixed installation	82 mm
Smallest bending radius, movable installation	155 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Shielding	yes
	Tinned copper-braided shield, approx. 85% covering
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
Degree of protection	IP20
	≥ IP54 (Installation location)
Nominal operating mode	100% operating factor

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

Flame resistance	UL VW-1
	CSA FT-1
	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	125 V

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Technical data

Standards and Regulations

Rated surge voltage	1.2 kV
Insulation	Functional insulation
Degree of pollution	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

Environmental Product Compliance

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

Approvals

Approvals

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


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Approvals

Ex Approvals


Approval details

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 C- DE.A*30.B00767
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cULus Recognized	
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