Cable - CABLE-FCN40/1X50/ 4,0M/S7-OUT - 2321059

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)



Round cable set; controller: Siemens S7-300 (6ES7 322-1BP00-0AA0 and 6ES7 322-1BP50-0AA0 (negative switching)); connection 1: Fujitsu connector (1x 40-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

Your advantages

- Signal transfer of 1 x 32 channels
- System cable: 40-pos. connector to 50-pos. flat-ribbon cable strip

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 330763
GTIN	4046356330763
Weight per Piece (excluding packing)	591.400 g
Custom tariff number	85444290
Country of origin	Germany

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	IP00
	≥ IP54 (Installation location)

General

Cable - CABLE-FCN40/1X50/ 4,0M/S7-OUT - 2321059

Technical data

General

Max. permissible operating voltage	25 V AC
	60 V DC
Max. current carrying capacity per path	1 A (50 °C)
	0.6 A (70°C)
Length of cable	4 m
External cable diameter	9.9 mm ±0.4 mm
Single wire, cross section	0.14 mm²
Single wire, cross section [AWG]	26
Single wire, number of litz wires	7
Single wire, material	Cu tin-plated
Wire diameter incl. insulation	1 mm ±0.03 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	no
Cable insulation resistance	≥ 20 MΩ/km (20 °C)
Cable resistance	≤ 145 Ω/km (20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Nominal operating mode	100% operating factor

Connection data

Connection name	Field level
Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection data 2

Connection name	Controller level
Connection method	Fujitsu connector
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 50

Standards and Regulations

Flame resistance	UL VW-1

Cable - CABLE-FCN40/1X50/ 4,0M/S7-OUT - 2321059

Technical data

Standards and Regulations

	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
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

Supported controller

Controller	SIEMENS S7-300
- suitable I/O card	6ES7 322-1BP50-0AA0
	6ES7 322-1BP00-0AA0

Color code

Connector 1 = connector 2 (optional) = wire color	Fujitsu40 (A1) = IDC/FLK50 (3) = black
	Fujitsu40 (A2) = IDC/FLK50 (4) = red
	Fujitsu40 (A3) = IDC/FLK50 (5) = yellow
	Fujitsu40 (A4) = IDC/FLK50 (6) = blue
	Fujitsu40 (A5) = IDC/FLK50 (7) = gray
	Fujitsu40 (A6) = IDC/FLK50 (8) = white-black
	Fujitsu40 (A7) = IDC/FLK50 (9) = white-red
	Fujitsu40 (A8) = IDC/FLK50 (10) = white-yellow
	Fujitsu40 (A9) = IDC/FLK50 (11) = white-blue
	Fujitsu40 (A10) = IDC/FLK50 (1) = white-gray
	Fujitsu40 (A11) = IDC/FLK50 (15) = brown-red
	Fujitsu40 (A12) = IDC/FLK50 (16) = brown-yellow
	Fujitsu40 (A13) = IDC/FLK50 (17) = brown-blue
	Fujitsu40 (A14) = IDC/FLK50 (18) = brown-gray
	Fujitsu40 (A15) = IDC/FLK50 (19) = green-black
	Fujitsu40 (A16) = IDC/FLK50 (20) = green-red
	Fujitsu40 (A17) = IDC/FLK50 (21) = green-blue
	Fujitsu40 (A18) = IDC/FLK50 (22) = green-gray

Cable - CABLE-FCN40/1X50/ 4,0M/S7-OUT - 2321059

Technical data

Color code

	Fujitsu40 (A19) = IDC/FLK50 (23) = yellow-black
	Fujitsu40 (A20) = IDC/FLK50 (13) = yellow-red
	Fujitsu40 (B1) = IDC/FLK50 (27) = brown
	Fujitsu40 (B2) = IDC/FLK50 (28) = orange
	Fujitsu40 (B3) = IDC/FLK50 (29) = green
	Fujitsu40 (B4) = IDC/FLK50 (30) = violet
	Fujitsu40 (B5) = IDC/FLK50 (31) = white
	Fujitsu40 (B6) = IDC/FLK50 (32) = white-brown
	Fujitsu40 (B7) = IDC/FLK50 (33) = white-orange
	Fujitsu40 (B8) = IDC/FLK50 (34) = white-green
	Fujitsu40 (B9) = IDC/FLK50 (35) = white-violet
	Fujitsu40 (B10) = IDC/FLK50 (25) = brown-black
	Fujitsu40 (B11) = IDC/FLK50 (39) = brown-orange
	Fujitsu40 (B12) = IDC/FLK50 (40) = brown-green
	Fujitsu40 (B13) = IDC/FLK50 (41) = brown-violet
	Fujitsu40 (B14) = IDC/FLK50 (42) = brown-white
	Fujitsu40 (B15) = IDC/FLK50 (43) = green-brown
	Fujitsu40 (B16) = IDC/FLK50 (44) = green-orange
	Fujitsu40 (B17) = IDC/FLK50 (45) = green-violet
	Fujitsu40 (B18) = IDC/FLK50 (46) = green-white
	Fujitsu40 (B19) = IDC/FLK50 (47) = yellow-brown
	Fujitsu40 (B20) = IDC/FLK50 (37) = yellow-orange

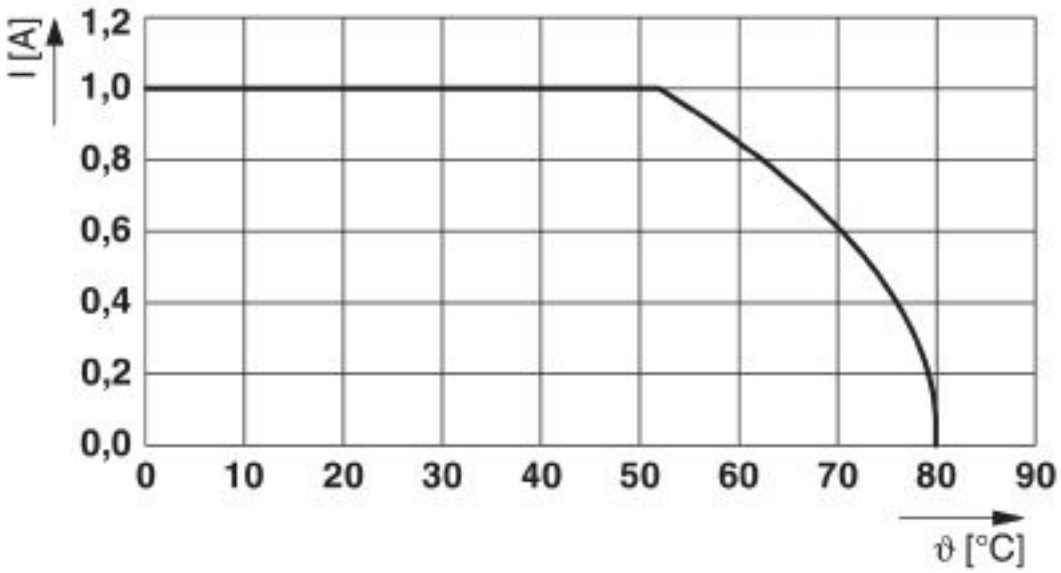
Environmental Product Compliance

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

Drawings

Cable - CABLE-FCN40/1X50/ 4,0M/S7-OUT - 2321059

Diagram



Maximum permissible current per path in uncoiled state

Classifications

eCl@ss

eCl@ss 10.0.1	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 8.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 5.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

Cable - CABLE-FCN40/1X50/ 4,0M/S7-OUT - 2321059

Classifications

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

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

Nominal voltage UN	125 V
Nominal current IN	1 A

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

Nominal voltage UN	125 V
Nominal current IN	1 A

Cable - CABLE-FCN40/1X50/ 4,0M/S7-OUT - 2321059

Approvals

EAC		RU*-DE.HB*35.B00385

cULus Listed	

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 2020 © - all rights reserved
http://www.phoenixcontact.com