CABLE-D37F/FLK50/4,0M/ETHA - Cable

1222442

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Round cable set; controller: Siemens SIMATIC® ET 200SP HA; connection 1: D-SUB socket strip (1x 37-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

Commercial data

Item number	1222442
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK226S
GTIN	4063151312664
Weight per piece (including packing)	765 g
Weight per piece (excluding packing)	760 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Product properties

Product type	System cable

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation) (fixed installation)	-40 °C ... 70 °C (fixed installation)
Ambient temperature (operation) (flexible 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: SIEMENS ET 200SP HA

Suitable terminal block	6DL1193-6TP00-0BH1
	6DL1193-6TP00-0DH1
	6DL1193-6TP00-0BM1
	6DL1193-6TP00-0DM1
Suitable I/O module	6DL1131-6BL00-0PH1 (Terminal Block H1/M1)
	6DL1132-6BL00-0PH1 (Terminal Block H1/M1)

Cable/line

Cable length	4 m

50X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	no
Cable type	50X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	50x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	10.30 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	86 mm
Smallest bending radius, movable installation	161 mm
Dynamic load capacity (bending)	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)
Cable type	Cable for one module

Color code: Single-core wire

black	IDC/FLK50 (1) = D-SUB37 (17)
brown	IDC/FLK50 (2) = D-SUB37 (17)
red	IDC/FLK50 (3) = D-SUB37 (1)
orange	IDC/FLK50 (4) = D-SUB37 (2)
yellow	IDC/FLK50 (5) = D-SUB37 (3)
green	IDC/FLK50 (6) = D-SUB37 (4)
blue	IDC/FLK50 (7) = D-SUB37 (5)
violet	IDC/FLK50 (8) = D-SUB37 (6)
gray	IDC/FLK50 (9) = D-SUB37 (7)
white	IDC/FLK50 (10) = D-SUB37 (8)
white-black	IDC/FLK50 (11) = D-SUB37 (36)
white-brown	IDC/FLK50 (12) = D-SUB37 (36)
white-red	IDC/FLK50 (13) = D-SUB37 (17)
white-orange	IDC/FLK50 (14) = D-SUB37 (17)
white-yellow	IDC/FLK50 (15) = D-SUB37 (9)
white-green	IDC/FLK50 (16) = D-SUB37 (10)
white-blue	IDC/FLK50 (17) = D-SUB37 (11)
white-violet	IDC/FLK50 (18) = D-SUB37 (12)
white-gray	IDC/FLK50 (19) = D-SUB37 (13)
brown-black	IDC/FLK50 (20) = D-SUB37 (14)
brown-red	IDC/FLK50 (21) = D-SUB37 (15)
brown-orange	IDC/FLK50 (22) = D-SUB37 (16)
brown-yellow	IDC/FLK50 (23) = D-SUB37 (36)
brown-green	IDC/FLK50 (24) = D-SUB37 (36)
brown-blue	IDC/FLK50 (25) = D-SUB37 (18)
brown-violet	IDC/FLK50 (26) = D-SUB37 (18)

brown-gray	IDC/FLK50 (27) = D-SUB37 (20)
brown-white	IDC/FLK50 (28) = D-SUB37 (21)
green-black	IDC/FLK50 (29) = D-SUB37 (22)
green-brown	IDC/FLK50 (30) = D-SUB37 (23)
green-red	IDC/FLK50 (31) = D-SUB37 (24)
green-orange	IDC/FLK50 (32) = D-SUB37 (25)
green-blue	IDC/FLK50 (33) = D-SUB37 (26)
green-violet	IDC/FLK50 (34) = D-SUB37 (27)
green-gray	IDC/FLK50 (35) = D-SUB37 (37)
green-white	IDC/FLK50 (36) = D-SUB37 (37)
yellow-black	IDC/FLK50 (37) = D-SUB37 (18)
yellow-brown	IDC/FLK50 (38) = D-SUB37 (18)
yellow-red	IDC/FLK50 (39) = D-SUB37 (28)
yellow-orange	IDC/FLK50 (40) = D-SUB37 (29)
yellow-blue	IDC/FLK50 (41) = D-SUB37 (30)
yellow-violet	IDC/FLK50 (42) = D-SUB37 (31)
yellow-gray	IDC/FLK50 (43) = D-SUB37 (32)
yellow-white	IDC/FLK50 (44) = D-SUB37 (33)
gray-black	IDC/FLK50 (45) = D-SUB37 (34)
gray-brown	IDC/FLK50 (46) = D-SUB37 (35)
gray-red	IDC/FLK50 (47) = D-SUB37 (37)
gray-orange	IDC/FLK50 (48) = D-SUB37 (37)

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	37
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Connection 2

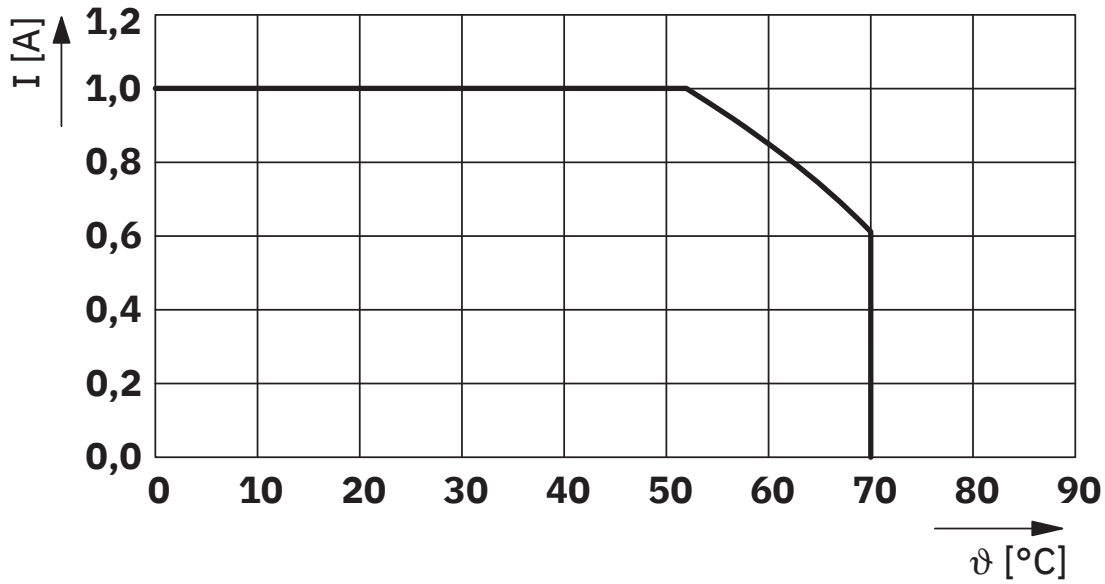
Connection in acc. with standard	IEC 60603-13 (in compliance)
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Notes

Notes on operation	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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1222442

EAC
Approval ID: RU*-DE.HB*35.B00385

UL Listed
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	1 A	-	-

cUL Listed
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	1 A	-	-

Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	8aa2671a-0275-4ba7-aca4-616aa646e0f8

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