CABLE-D37F/FLK50/1,0M/ETHA - Cable

1210707

https://www.phoenixcontact.com/us/products/1210707

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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: 1 m

Commercial data

Item number	1210707
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2155
GTIN	4063151283216
Weight per piece (including packing)	300 g
Weight per piece (excluding packing)	300 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)	-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 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	1 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
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)
IDC/FLK50 (1)	D-SUB37 (17) = black
IDC/FLK50 (2)	D-SUB37 (17) = brown
IDC/FLK50 (3)	D-SUB37 (1) = red
IDC/FLK50 (4)	D-SUB37 (2) = orange
IDC/FLK50 (5)	D-SUB37 (3) = yellow
IDC/FLK50 (6)	D-SUB37 (4) = green
IDC/FLK50 (7)	D-SUB37 (5) = blue
IDC/FLK50 (8)	D-SUB37 (6) = violet
IDC/FLK50 (9)	D-SUB37 (7) = gray
IDC/FLK50 (10)	D-SUB37 (8) = white
IDC/FLK50 (11)	D-SUB37 (36) = white-black
IDC/FLK50 (12)	D-SUB37 (36) = white-brown
IDC/FLK50 (13)	D-SUB37 (17) = white-red
IDC/FLK50 (14)	D-SUB37 (17) = white-orange
IDC/FLK50 (15)	D-SUB37 (9) = white-yellow
IDC/FLK50 (16)	D-SUB37 (10) = white-green
IDC/FLK50 (17)	D-SUB37 (11) = white-blue
IDC/FLK50 (18)	D-SUB37 (12) = white-violet
IDC/FLK50 (19)	D-SUB37 (13) = white-gray
IDC/FLK50 (20)	D-SUB37 (14) = brown-black
IDC/FLK50 (21)	D-SUB37 (15) = brown-red
IDC/FLK50 (22)	D-SUB37 (16) = brown-orange
IDC/FLK50 (23)	D-SUB37 (36) = brown-yellow
IDC/FLK50 (24)	D-SUB37 (36) = brown-green
IDC/FLK50 (25)	D-SUB37 (18) = brown-blue
IDC/FLK50 (26)	D-SUB37 (18) = brown-violet
IDC/FLK50 (27)	D-SUB37 (20) = brown-gray
IDC/FLK50 (28)	D-SUB37 (21) = brown-white
IDC/FLK50 (29)	D-SUB37 (22) = green-black
IDC/FLK50 (30)	D-SUB37 (23) = green-brown

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

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	37
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	1
Number of positions	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

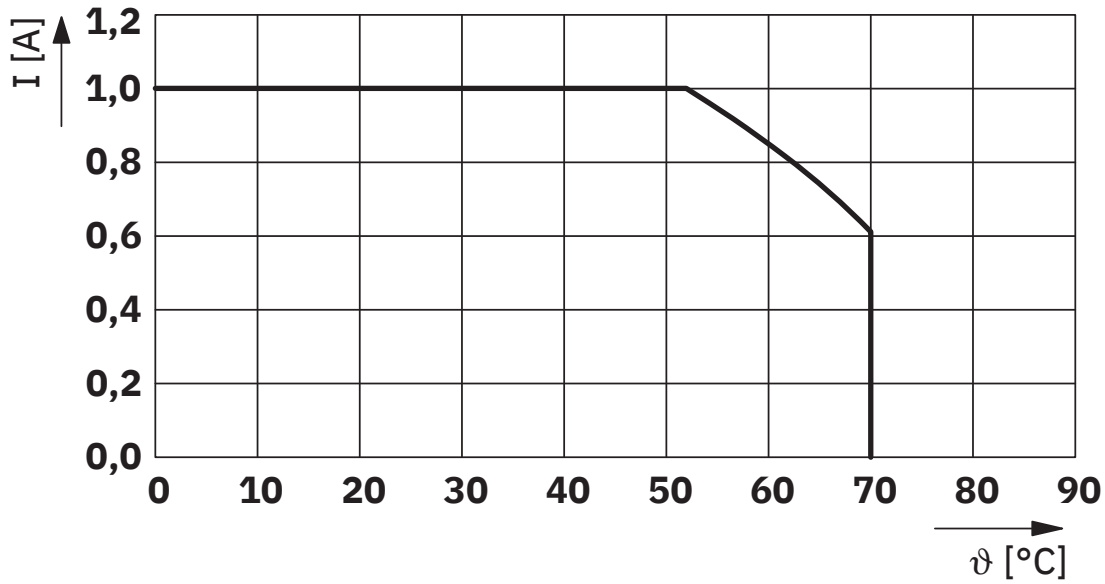
Notes

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.

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/1210707

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

UL Listed
Approval ID: FILE E 238705

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

cUL Listed
Approval ID: FILE E 238705

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

cULus Listed

Classifications

ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

ETIM

ETIM 8.0	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	519231f4-2e72-499d-b753-7ce763b27981

Accessories

FLKM-PA-D37/ETHA - Front adapter

1076338

https://www.phoenixcontact.com/us/products/1076338



VARIOFACE front adapter for Siemens SIMATIC® ET 200SP HA, with a 37-pos. D-SUB male strip for digital 24 V DC and analog peripheral modules, max. 32 channels can be connected

VIP-2/PT/FLK50/PLC - Passive module

2903803

https://www.phoenixcontact.com/us/products/2903803



VARIOFACE interface module, with push-in connection, for 32 channels

VIP-2/SC/FLK50/PLC - Passive module

2315227

https://www.phoenixcontact.com/us/products/2315227

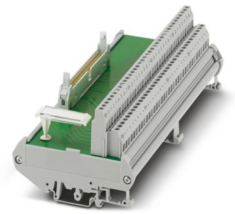


VARIOFACE interface module for 32 channels

FLKM 50/32P/PLC - Passive module

2291121

https://www.phoenixcontact.com/us/products/2291121



VARIOFACE interface module, for 32 channels, each with an additional terminal block per signal for a common plus potential

FLKM 50/32M/PLC - Passive module

2289719

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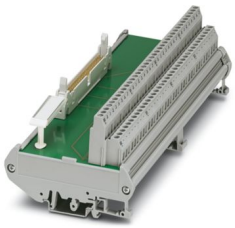

VARIOFACE interface module, for 32 channels, each with an additional terminal block per signal for a common minus potential

FLKMS 50/32IM/PLC - Passive module

2284523

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VARIOFACE sensor module, for connecting 32 p-n-p sensors

UMK-32 RM/MR-G24/1/PLC - Active module

2979472

https://www.phoenixcontact.com/us/products/2979472



VARIOFACE output module, with 32 miniature relays, 1 N/O contact each, plugged, for 24 V DC (incl. relay)

UM-32 RM/RT-G24/21/PLC - Active module

2968373

https://www.phoenixcontact.com/us/products/2968373



VARIOFACE output module, with 32 miniature relays, 1 changeover contact, plugged, for 24 V DC (including relays)

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FLKM 50/KDS3-MT/PPA/PLC - Passive module

2290614

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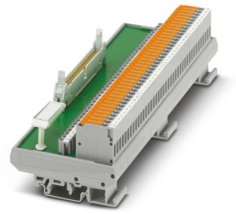

VARIOFACE interface module, for 32 channels with knife disconnect terminal blocks and test sockets to the peripherals and the system

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