CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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 documentation. Our general terms of use for downloads are valid.

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: 10 m

Commercial data

Item number	1222255
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2155
GTIN	4063151312077
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	DE

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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	10 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	10.3 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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)

color code

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

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

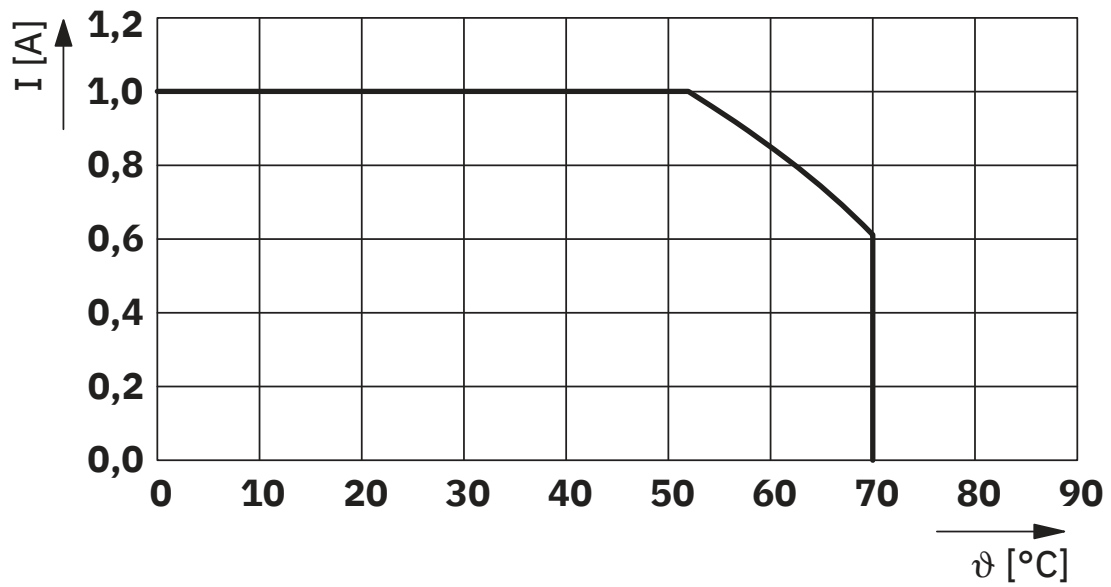| General	For proper use, the specifications of the installation directive (see

Downloads) must be observed.

Drawings

Diagram

Maximum permissible current per path in uncoiled state

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1222255

	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

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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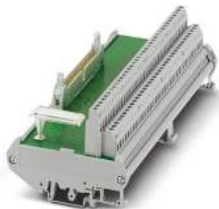
https://www.phoenixcontact.com/us/products/2291121

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

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

FLKM 50/32M/PLC - Passive module

2289719

https://www.phoenixcontact.com/us/products/2289719

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

https://www.phoenixcontact.com/us/products/2284523

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

CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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)

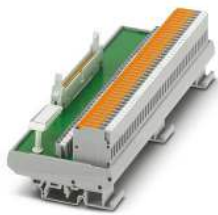# CABLE-D37F/FLK50/10,0M/ETHA - Cable

1222255

https://www.phoenixcontact.com/us/products/1222255

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

2290614

https://www.phoenixcontact.com/us/products/2290614

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

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com