

# FLK 40/EZ-DR/ 50/KONFEK - Cable



2288985

<https://www.phoenixcontact.com/us/products/2288985>

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 0.5 m

## Your advantages

- Unshielded

## Commercial Data

Item number	2288985
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C02
Product Key	CK2131
Catalog Page	Page 567 (C-5-2019)
GTIN	4017918057374
Weight per Piece (including packing)	81.92 g
Weight per Piece (excluding packing)	75.11 g
Customs tariff number	85444290
Country of origin	DE

## Technical Data

### Product properties

Product type	System cable
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### Insulation characteristics

Insulation	Functional insulation
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### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### 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

Max. permissible operating voltage	25 V AC
	60 V DC
Nominal operating mode	100% operating factor
Max. current carrying capacity per path	1 A (50 °C)
	0.6 A (70 °C)

#### Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

### Cable/line

Cable length	0.5 m
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#### 40X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	40
Shielded	no
Cable type	40X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	40x 0.14 mm <sup>2</sup>

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Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	9.9 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	82 mm
Smallest bending radius, movable installation	155 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)
Type	Cable for one module
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4

## color code

IDC/FLK40 (1)	IDC/FLK40 (1) = black
IDC/FLK40 (2)	IDC/FLK40 (2) = brown
IDC/FLK40 (3)	IDC/FLK40 (3) = red
IDC/FLK40 (4)	IDC/FLK40 (4) = orange
IDC/FLK40 (5)	IDC/FLK40 (5) = yellow
IDC/FLK40 (6)	IDC/FLK40 (6) = green
IDC/FLK40 (7)	IDC/FLK40 (7) = blue
IDC/FLK40 (8)	IDC/FLK40 (8) = violet
IDC/FLK40 (9)	IDC/FLK40 (9) = gray
IDC/FLK40 (10)	IDC/FLK40 (10) = white
IDC/FLK40 (11)	IDC/FLK40 (11) = white-black
IDC/FLK40 (12)	IDC/FLK40 (12) = white-brown
IDC/FLK40 (13)	IDC/FLK40 (13) = white-red
IDC/FLK40 (14)	IDC/FLK40 (14) = white-orange
IDC/FLK40 (15)	IDC/FLK40 (15) = white-yellow
IDC/FLK40 (16)	IDC/FLK40 (16) = white-green
IDC/FLK40 (17)	IDC/FLK40 (17) = white-blue
IDC/FLK40 (18)	IDC/FLK40 (18) = white-violet
IDC/FLK40 (19)	IDC/FLK40 (19) = white-gray
IDC/FLK40 (20)	IDC/FLK40 (20) = brown-black
IDC/FLK40 (21)	IDC/FLK40 (21) = brown-red
IDC/FLK40 (22)	IDC/FLK40 (22) = brown-orange
IDC/FLK40 (23)	IDC/FLK40 (23) = brown-yellow

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IDC/FLK40 (24)	IDC/FLK40 (24) = brown-green
IDC/FLK40 (25)	IDC/FLK40 (25) = brown-blue
IDC/FLK40 (26)	IDC/FLK40 (26) = brown-violet
IDC/FLK40 (27)	IDC/FLK40 (27) = brown-gray
IDC/FLK40 (28)	IDC/FLK40 (28) = brown-white
IDC/FLK40 (29)	IDC/FLK40 (29) = green-black
IDC/FLK40 (30)	IDC/FLK40 (30) = green-brown
IDC/FLK40 (31)	IDC/FLK40 (31) = green-red
IDC/FLK40 (32)	IDC/FLK40 (32) = green-orange
IDC/FLK40 (33)	IDC/FLK40 (33) = green-blue
IDC/FLK40 (34)	IDC/FLK40 (34) = green-violet
IDC/FLK40 (35)	IDC/FLK40 (35) = green-gray
IDC/FLK40 (36)	IDC/FLK40 (36) = green-white
IDC/FLK40 (37)	IDC/FLK40 (37) = yellow-black
IDC/FLK40 (38)	IDC/FLK40 (38) = yellow-brown
IDC/FLK40 (39)	IDC/FLK40 (39) = yellow-red
IDC/FLK40 (40)	IDC/FLK40 (40) = yellow-orange

## Connection data

### Field level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

### Controller level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

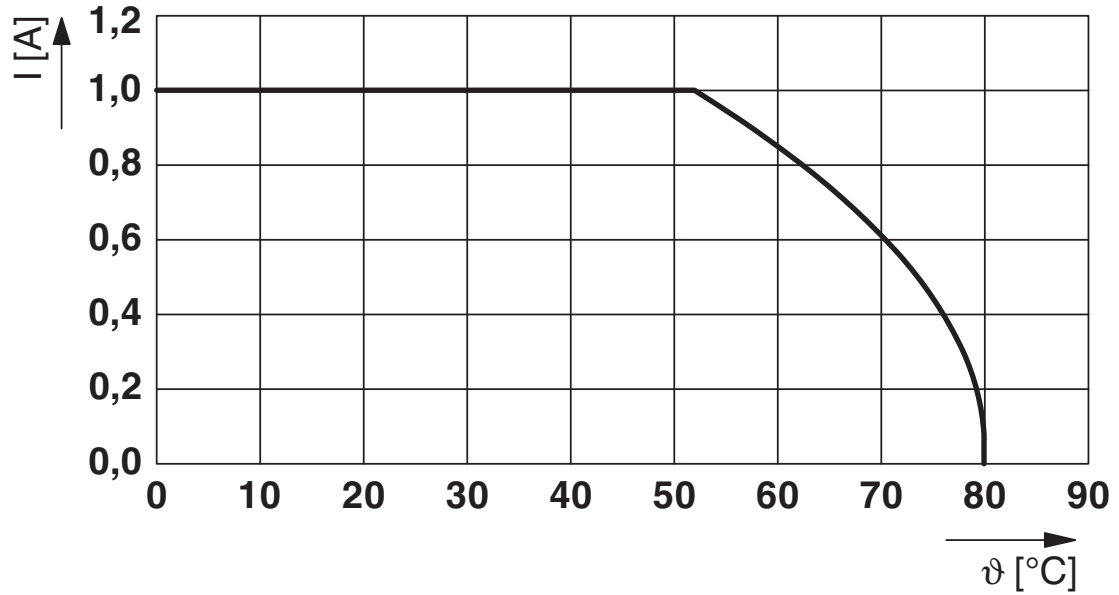
## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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## Drawings

Diagram



Maximum permissible current per path in uncoiled state

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## Approvals



### 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 $\text{mm}^2$
	125 V	1 A	-	-



### cUL Listed

Approval ID: FILE E 238705

	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	125 V	1 A	-	-

### cULus Listed

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## Classifications

### ECLASS

ECLASS-9.0	27242220
ECLASS-10.0.1	27242220
ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

### ETIM

ETIM 8.0	EC000237
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



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## Accessories

### KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/us/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 x 8 mm

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