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FLK 40/EZ-DR/ 300/SLC - Cable

2294652

https://www.phoenixcontact.com/gb/products/2294652

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Round cable set; controller: Allen-Bradley SLC 500 (OB 32, IB 32); connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 3 m

Your advantages

- Passive interface modules (VIP-3/SC/FLK40, etc.) are connected to the I/O cards using the system cable

Commercial data

Item number	2294652
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CK221R
Product key	CK221R
Catalog page	Page 474 (C-5-2019)
GTIN	4017918149024
Weight per piece (including packing)	430.8 g
Weight per piece (excluding packing)	430.8 g
Customs tariff number	85444290
Country of origin	DE

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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 ALLEN-BRADLEY SLC 500

Suitable I/O card	1746 OB 32
	1746 OV 32
	1746 IB 32
	1746 IV 32

Cable/line

Cable length	3 m

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 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	9.90 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires

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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)
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
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

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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
Cable type	Cable for one module

Connection data

Connection 1

Connection in acc. with standard	based on 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

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	40
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.

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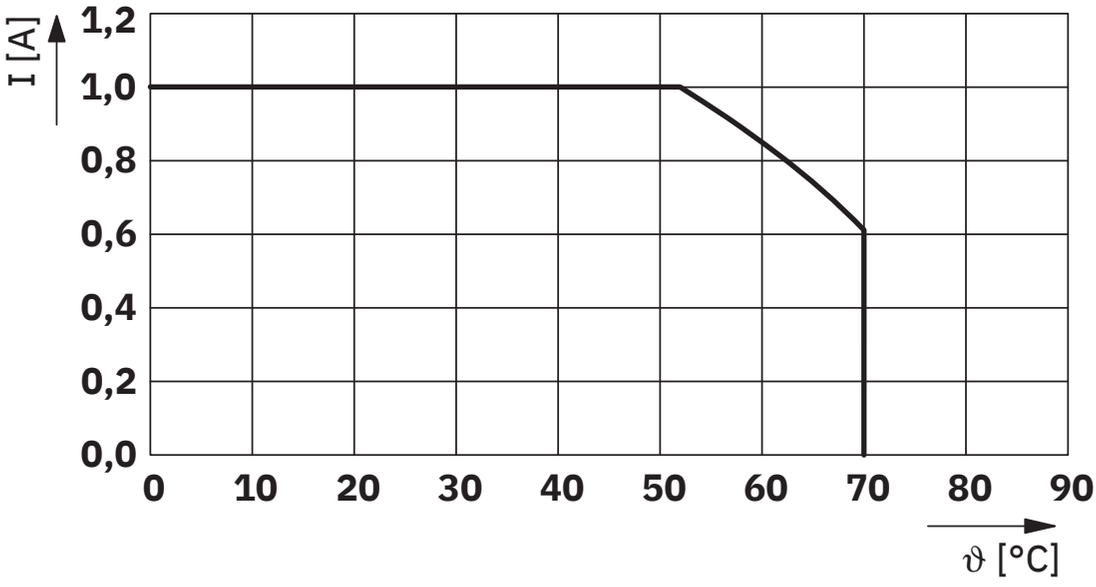
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Drawings

Diagram



Maximum permissible current per path in uncoiled state

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2294652

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

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

KME - Cable marker carrier

0807083

https://www.phoenixcontact.com/gb/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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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk