

Cable - FLK 40/4X14/EZ-DR/ 100/OB32 - 2298483

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Round cable set; controller: Allen-Bradley SLC 500 (OB 32); connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 1 m

Your advantages

- ✓ System cable can be used to split 32 channels into 4 x 8 channels



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 601775
GTIN	4017918601775
Weight per Piece (excluding packing)	216.100 g
Weight per piece (including packing)	216.100 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length	1 m
--------	-----

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation)
	-10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP00
	≥ IP54 (Installation location)

General

Cable - FLK 40/4X14/EZ-DR/ 100/OB32 - 2298483

Technical data

General

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

Cable

Type of cable	Round cable set
Cable cross section	10x 0.14 mm ²
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor material	Tin-plated Cu litz wires
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.1 mm ±0.4 mm
Shielded	no
Halogen-free	no
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	98 mm
Bending cycles group	5000
Insulation resistance	≥ 20 MΩ*km (20 °C)
Cable resistance	≤ 145 Ω/km (20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
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)
Gasoline resistance	can withstand occasional splashes (raw cable)

Connection data

Connection name	Field level
Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection data 2

Connection name	Controller level
-----------------	------------------

Cable - FLK 40/4X14/EZ-DR/ 100/OB32 - 2298483

Technical data

Connection data 2

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
Channels which can be connected	32
Pitch	2.54 mm

Standards and Regulations

Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

Supported controller

Controller	ALLEN-BRADLEY SLC 500
- suitable I/O card	1746 OB 32
	1746 OV 32

Color code

Connector 1 = connector 2 (optional) = wire color	IDC/FLK40 (5) = IDC/FLK14-1 (1) = black
	IDC/FLK40 (7) = IDC/FLK14-1 (2) = brown
	IDC/FLK40 (9) = IDC/FLK14-1 (3) = red
	IDC/FLK40 (11) = IDC/FLK14-1 (4) = orange
	IDC/FLK40 (13) = IDC/FLK14-1 (5) = yellow
	IDC/FLK40 (15) = IDC/FLK14-1 (6) = green
	IDC/FLK40 (17) = IDC/FLK14-1 (7) = blue
	IDC/FLK40 (19) = IDC/FLK14-1 (8) = violet
	IDC/FLK40 (1) = IDC/FLK14-1 (9) = gray
	IDC/FLK40 (37) = IDC/FLK14-1 (10) = white
	IDC/FLK40 (21) = IDC/FLK14-2 (1) = black
	IDC/FLK40 (23) = IDC/FLK14-2 (2) = brown
	IDC/FLK40 (25) = IDC/FLK14-2 (3) = red
	IDC/FLK40 (27) = IDC/FLK14-2 (4) = orange
	IDC/FLK40 (29) = IDC/FLK14-2 (5) = yellow
	IDC/FLK40 (31) = IDC/FLK14-2 (6) = green
	IDC/FLK40 (33) = IDC/FLK14-2 (7) = blue
	IDC/FLK40 (35) = IDC/FLK14-2 (8) = violet
	IDC/FLK40 (3) = IDC/FLK14-2 (9) = gray

Cable - FLK 40/4X14/EZ-DR/ 100/OB32 - 2298483

Technical data

Color code

	IDC/FLK40 (39) = IDC/FLK14-2 (10) = white
	IDC/FLK40 (6) = IDC/FLK14-3 (1) = black
	IDC/FLK40 (8) = IDC/FLK14-3 (2) = brown
	IDC/FLK40 (10) = IDC/FLK14-3 (3) = red
	IDC/FLK40 (12) = IDC/FLK14-3 (4) = orange
	IDC/FLK40 (14) = IDC/FLK14-3 (5) = yellow
	IDC/FLK40 (16) = IDC/FLK14-3 (6) = green
	IDC/FLK40 (18) = IDC/FLK14-3 (7) = blue
	IDC/FLK40 (20) = IDC/FLK14-3 (8) = violet
	IDC/FLK40 (2) = IDC/FLK14-3 (9) = gray
	IDC/FLK40 (38) = IDC/FLK14-3 (10) = white
	IDC/FLK40 (22) = IDC/FLK14-4 (1) = black
	IDC/FLK40 (24) = IDC/FLK14-4 (2) = brown
	IDC/FLK40 (26) = IDC/FLK14-4 (3) = red
	IDC/FLK40 (28) = IDC/FLK14-4 (4) = orange
	IDC/FLK40 (30) = IDC/FLK14-4 (5) = yellow
	IDC/FLK40 (32) = IDC/FLK14-4 (6) = green
	IDC/FLK40 (34) = IDC/FLK14-4 (7) = blue
	IDC/FLK40 (36) = IDC/FLK14-4 (8) = violet
	IDC/FLK40 (4) = IDC/FLK14-4 (9) = gray
	IDC/FLK40 (40) = IDC/FLK14-4 (10) = white

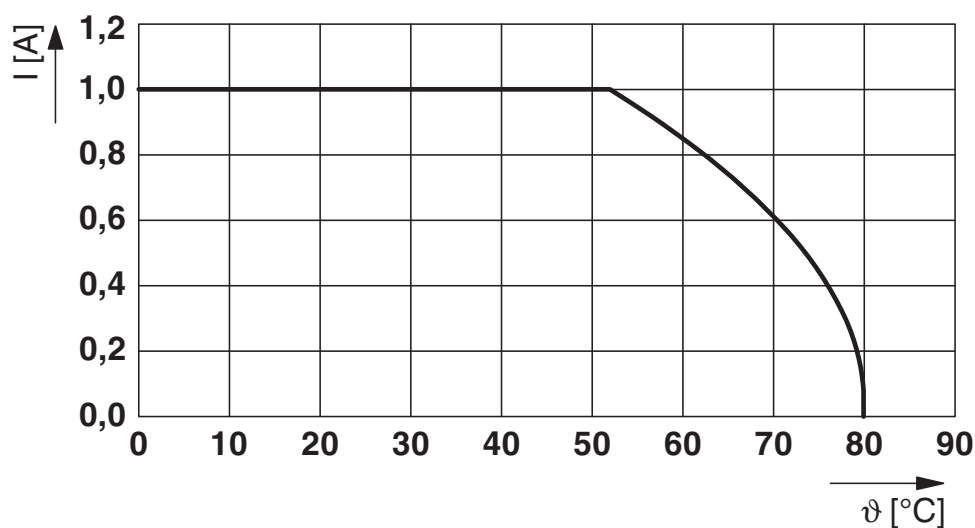
Environmental Product Compliance

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

Drawings

Cable - FLK 40/4X14/EZ-DR/ 100/OB32 - 2298483

Diagram



Maximum permissible current per path in uncoiled state

Classifications

eCl@ss

eCl@ss 10.0.1	27242220
eCl@ss 11.0	27242220
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27249200
eCl@ss 7.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620
UNSPSC 12.01	26121620
UNSPSC 13.2	26121620

Cable - FLK 40/4X14/EZ-DR/ 100/OB32 - 2298483

Classifications

UNSPSC

UNSPSC 18.0	26121620
UNSPSC 19.0	26121620
UNSPSC 20.0	26121620
UNSPSC 21.0	26121620

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN	125 V		
Nominal current IN	1 A		

cUL Listed			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN		125 V		
Nominal current IN		1 A		

EAC		RU*- DE.HB*35.B00385
-----	---	-------------------------

cULus Listed	
--------------	---

Accessories

Accessories

Cable - FLK 40/4X14/EZ-DR/ 100/OB32 - 2298483

Accessories

Marker carrier cable

Cable marker carrier - KME - 0807083



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