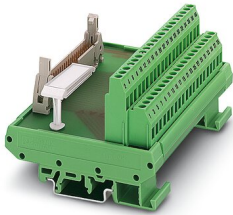


FLKM 50 - Interface module

2281089

<https://www.phoenixcontact.com/in/products/2281089>

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VARIOFACE module, with screw connection and flat-ribbon cable connector, for mounting on NS 32 oder NS 35/7.5, with male connector and short and long locking latches for female connectors, number of positions 50, (1-1 connection)

Commercial Data

Item number	2281089
Packing unit	5 pc
Minimum order quantity	1 pc
Sales Key	CK2
Product Key	CK2212
Catalog Page	Page 242 (IF-2007)
GTIN	4017918054533
Weight per Piece (including packing)	242.03 g
Weight per Piece (excluding packing)	223.664 g
Customs tariff number	85369010
Country of origin	DE

FLKM 50 - Interface module



2281089

<https://www.phoenixcontact.com/in/products/2281089>

Technical Data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	50
No. of channels	16

Insulation characteristics

Insulation	Functional insulation
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Insulation characteristics

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

No. of channels	16 (variable)
Max. permissible operating voltage	25 V AC
	60 V DC
Max. current carrying capacity per branch	1 A
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

Supported controller SIEMENS S7-400

Suitable I/O card	6ES7431-0HH0-0AB0
	6ES7431-1KF00-0AB0
	6ES7431-1KF10-0AB0
	6ES7431-1KF20-0AB0
	6ES7431-7KF00-0AB0
	6ES7431-7KF10-0AB0
	6ES7431-7QH00-0AB0
	6ES7432-1HF00-0AB0

Connection data

Field level

Connection in acc. with standard	IEC / EN
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Controller level

FLKM 50 - Interface module



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Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

Signaling

Status display present	No
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Dimensions

Width	135 mm
Height	77 mm
Depth	57.5 mm

Material specifications

Housing insulation material	Polyamide 6 green
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Approvals

UKCA

Certificate	UKCA-compliant
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Standards and regulations

Standards/regulations	IEC 60664
	DIN EN 50178

Mounting

Mounting type	DIN rail mounting
Mounting position	any

FLKM 50 - Interface module

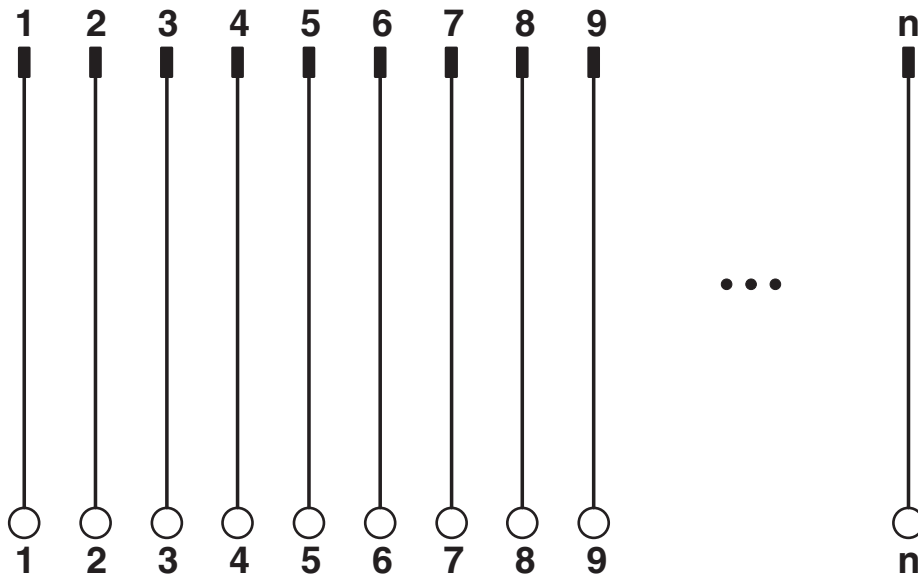
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Drawings

Circuit diagram




FLKM 50 - Interface module





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Approvals

 cUL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Field wiring	125 V	1 A	30 - 12	-

 UL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Field wiring	125 V	1 A	30 - 12	-

 EAC Approval ID: RU C-DE.A*30.B.01742				
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FLKM 50 - Interface module



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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 8.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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FLKM 50 - Interface module

2281089

<https://www.phoenixcontact.com/in/products/2281089>



Environmental Product Compliance

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

FLKM 50 - Interface module

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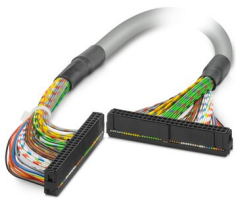
Accessories

FLK EZ-DR.../.../... - Cable

2295059

<https://www.phoenixcontact.com/in/products/2295059>

Round cable, with preassembly, not shielded, variable cable length



FLK EZ-DR-S.../.../... - Cable

2295046

<https://www.phoenixcontact.com/in/products/2295046>

Round cable, with preassembly, shielded, variable cable length



FLKM 50 - Interface module

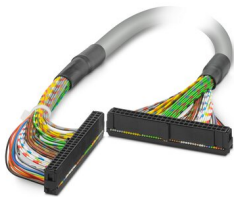
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<https://www.phoenixcontact.com/in/products/2281089>

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

2289065

<https://www.phoenixcontact.com/in/products/2289065>

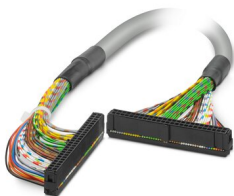


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

FLK 50/EZ-DR/ 100/KONFEK - Cable

2289078

<https://www.phoenixcontact.com/in/products/2289078>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

FLKM 50 - Interface module

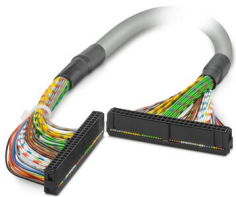
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FLK 50/EZ-DR/ 150/KONFEK - Cable

2289081

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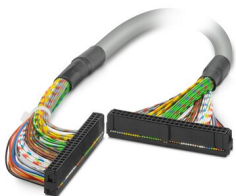


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

FLK 50/EZ-DR/ 200/KONFEK - Cable

2289094

<https://www.phoenixcontact.com/in/products/2289094>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

FLKM 50 - Interface module

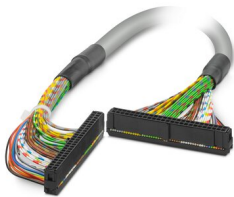
2281089

<https://www.phoenixcontact.com/in/products/2281089>

FLK 50/EZ-DR/ 250/KONFEK - Cable

2289104

<https://www.phoenixcontact.com/in/products/2289104>

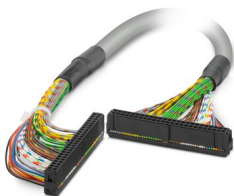


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

FLK 50/EZ-DR/ 300/KONFEK - Cable

2289117

<https://www.phoenixcontact.com/in/products/2289117>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3 m

FLKM 50 - Interface module

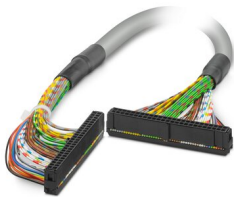
2281089

<https://www.phoenixcontact.com/in/products/2281089>

FLK 50/EZ-DR/ 350/KONFEK - Cable

2289120

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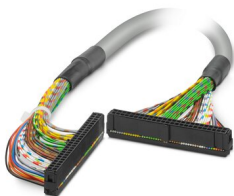


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3.5 m

FLK 50/EZ-DR/ 400/KONFEK - Cable

2289133

<https://www.phoenixcontact.com/in/products/2289133>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

FLKM 50 - Interface module

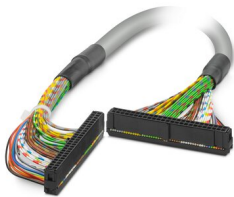
2281089

<https://www.phoenixcontact.com/in/products/2281089>

FLK 50/EZ-DR/ 450/KONFEK - Cable

2289573

<https://www.phoenixcontact.com/in/products/2289573>

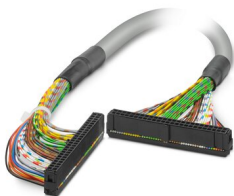


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4.5 m

FLK 50/EZ-DR/ 500/KONFEK - Cable

2289586

<https://www.phoenixcontact.com/in/products/2289586>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5 m

FLKM 50 - Interface module

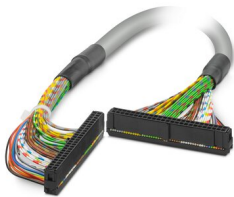
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<https://www.phoenixcontact.com/in/products/2281089>

FLK 50/EZ-DR/ 550/KONFEK - Cable

2289599

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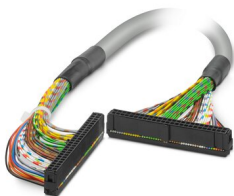


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5.5 m

FLK 50/EZ-DR/ 600/KONFEK - Cable

2289609

<https://www.phoenixcontact.com/in/products/2289609>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 6 m

FLKM 50 - Interface module

2281089

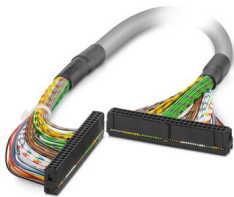
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FLK 50/EZ-DR/ 700/KONFEK - Cable

2289625

<https://www.phoenixcontact.com/in/products/2289625>

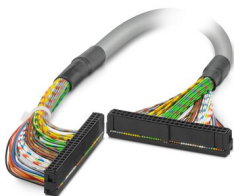


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7 m

FLK 50/EZ-DR/ 750/KONFEK - Cable

2289638

<https://www.phoenixcontact.com/in/products/2289638>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7.5 m

FLKM 50 - Interface module

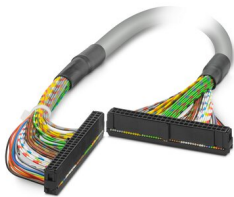
2281089

<https://www.phoenixcontact.com/in/products/2281089>

FLK 50/EZ-DR/ 800/KONFEK - Cable

2289641

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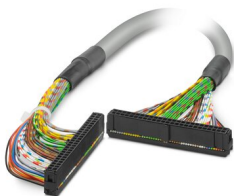


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 8 m

FLK 50/EZ-DR/ 850/KONFEK - Cable

2289654

<https://www.phoenixcontact.com/in/products/2289654>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 8.5 m

FLKM 50 - Interface module

2281089

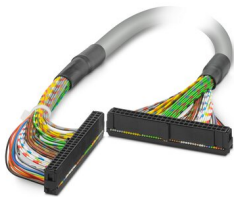
<https://www.phoenixcontact.com/in/products/2281089>



FLK 50/EZ-DR/ 900/KONFEK - Cable

2289667

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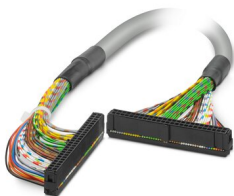


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 9 m

FLK 50/EZ-DR/1000/KONFEK - Cable

2289683

<https://www.phoenixcontact.com/in/products/2289683>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 10 m

FLKM 50 - Interface module

2281089

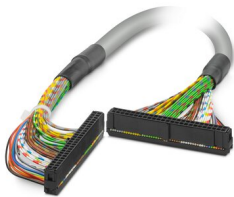
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FLK 50/EZ-DR/ 125/KONFEK - Cable

2296197

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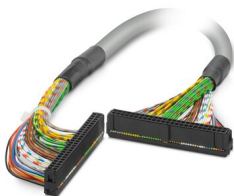


Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.25 m

FLK 50/EZ-DR/1200/KONFEK - Cable

2296223

<https://www.phoenixcontact.com/in/products/2296223>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 12 m

FLKM 50 - Interface module

2281089

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FLK 50/EZ-DR/ 50/KONFEK/S - Cable

2299097

<https://www.phoenixcontact.com/in/products/2299097>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 0.5 m

FLK 50/EZ-DR/ 100/KONFEK/S - Cable

2299107

<https://www.phoenixcontact.com/in/products/2299107>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1 m

FLKM 50 - Interface module

2281089

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FLK 50/EZ-DR/ 150/KONFEK/S - Cable

2299110

<https://www.phoenixcontact.com/in/products/2299110>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1.5 m

FLK 50/EZ-DR/ 200/KONFEK/S - Cable

2299123

<https://www.phoenixcontact.com/in/products/2299123>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 2 m

FLKM 50 - Interface module

2281089

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FLK 50/EZ-DR/ 300/KONFEK/S - Cable

2299136

<https://www.phoenixcontact.com/in/products/2299136>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 3 m

FLK 50/EZ-DR/ 400/KONFEK/S - Cable

2299149

<https://www.phoenixcontact.com/in/products/2299149>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 4 m

FLKM 50 - Interface module

2281089

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FLK 50/EZ-DR/ 600/KONFEK/S - Cable

2299152

<https://www.phoenixcontact.com/in/products/2299152>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 6 m

FLK 50/EZ-DR/1000/KONFEK/S - Cable

2299178

<https://www.phoenixcontact.com/in/products/2299178>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 10 m

FLKM 50 - Interface module

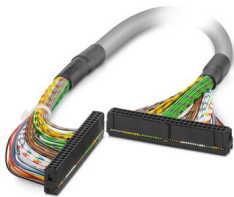
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CABLE-FLK50/0,14/HF/ 0,5M - Cable

2314134

<https://www.phoenixcontact.com/in/products/2314134>

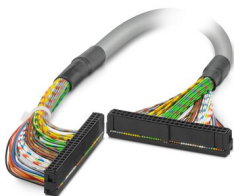


Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

CABLE-FLK50/0,14/HF/ 1,0M - Cable

2314147

<https://www.phoenixcontact.com/in/products/2314147>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

FLKM 50 - Interface module

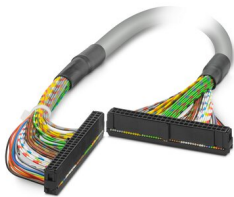
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CABLE-FLK50/0,14/HF/ 1,5M - Cable

2314150

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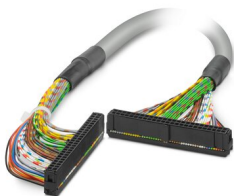


Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

CABLE-FLK50/0,14/HF/ 2,0M - Cable

2314163

<https://www.phoenixcontact.com/in/products/2314163>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

FLKM 50 - Interface module

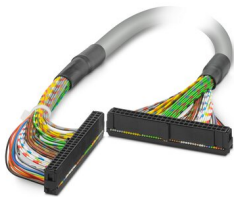
2281089

<https://www.phoenixcontact.com/in/products/2281089>

CABLE-FLK50/0,14/HF/ 2,5M - Cable

2314176

<https://www.phoenixcontact.com/in/products/2314176>

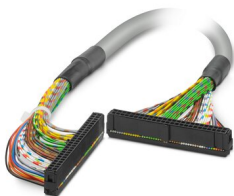


Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

CABLE-FLK50/0,14/HF/ 3,0M - Cable

2314189

<https://www.phoenixcontact.com/in/products/2314189>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3 m

FLKM 50 - Interface module

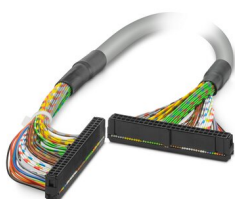
2281089

<https://www.phoenixcontact.com/in/products/2281089>

CABLE-FLK50/0,14/HF/ 4,0M - Cable

2314192

<https://www.phoenixcontact.com/in/products/2314192>

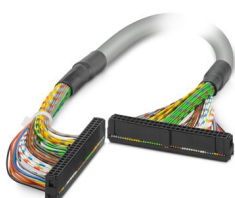


Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

CABLE-FLK50/0,14/HF/ 5,0M - Cable

2314202

<https://www.phoenixcontact.com/in/products/2314202>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5 m

FLKM 50 - Interface module



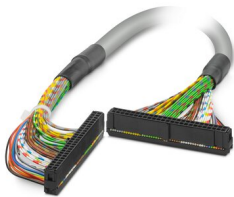
2281089

<https://www.phoenixcontact.com/in/products/2281089>

CABLE-FLK50/0,14/HF/10,0M - Cable

2314244

<https://www.phoenixcontact.com/in/products/2314244>

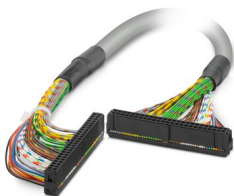


Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 10 m

CABLE-FLK50-0,14-HF/... - Cable

2314257

<https://www.phoenixcontact.com/in/products/2314257>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: variable

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