

## Cable - FLK 16/14/DV-OUT/ 30 - 2304348

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Round cable set; controller: Emerson Delta V; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.3 m

### Your advantages

- ✓ The DeltaV system can be used to install the process wiring via "mass termination blocks" (MTBs) using flat-ribbon cable plugs
- ✓ For digital modules with 16-pos. MTB for connection to PLC-INTERFACE



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 933005
GTIN	4017918933005
Weight per Piece (excluding packing)	24.400 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### 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

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### 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

Length of cable	0.3 m
Type of cable	Round cable set
Single wires, quantity	7
Single wire, material	Cu tin-plated
Single wire, cross section	0.14 mm <sup>2</sup>
Single wire, cross section [AWG]	26
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.4 mm ±0.4 mm
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4
Shielding	no
Halogen-free cable	No
Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Cable 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	1

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### Technical data

#### Connection data

Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Connection data 2

Connection name	Controller level
Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Standards and Regulations

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)
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	Emerson DeltaV
- suitable I/O card	VE4001S2T2B3 Series 2
	VE4002S1T2B3
	VE4001S2T1B3
	VE4002S1T2B3 Series 2

#### Color code

Connector 1 = connector 2 (optional) = wire color	IDC/FLK16 (1) = IDC/FLK14 (10) = black
	IDC/FLK16 (2) = IDC/FLK14 (1) = brown

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## Technical data

### Color code

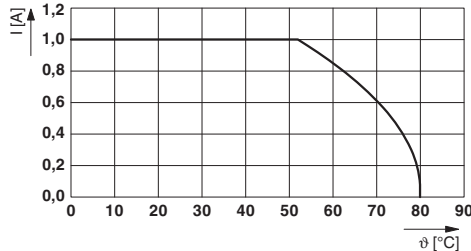
	IDC/FLK16 (3) = IDC/FLK14 (12) = red
	IDC/FLK16 (4) = IDC/FLK14 (2) = orange
	IDC/FLK16 (5) = IDC/FLK14 (14) = yellow
	IDC/FLK16 (6) = IDC/FLK14 (3) = green
	IDC/FLK16 (8) = IDC/FLK14 (4) = blue
	IDC/FLK16 (10) = IDC/FLK14 (5) = violet
	IDC/FLK16 (12) = IDC/FLK14 (6) = gray
	IDC/FLK16 (14) = IDC/FLK14 (7) = white
	IDC/FLK16 (16) = IDC/FLK14 (8) = white-black

### Environmental Product Compliance

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

## Drawings

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

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## Classifications

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

## Approvals

### Approvals

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#### Approvals


UL Listed / cUL Listed / EAC / cULus Listed

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#### Ex Approvals


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### Approval details


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

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EAC		RU* DE.HB*35.B00385
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cULus Listed	
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