

Cable - CABLE-D37-M2,5/4X14/100/Y81P-O - 2302489

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Round cable set; controller: Mitsubishi Electric MELSEC Q (Y81P); connection 1: D-SUB socket strip (1x 37-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 1 m

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 906764
GTIN	4017918906764
Weight per Piece (excluding packing)	360.000 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

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)

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Technical data

General

Length of cable	1 m
External cable diameter	4x 6.4 mm ±0.4 mm
Single wire, cross section	0.14 mm ²
Single wire, cross section [AWG]	26
Single wire, number of litz wires	7
Single wire, material	Cu tin-plated
Wire diameter incl. insulation	1 mm ±0.03 mm
Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Shielding	no
Cable insulation resistance	≥ 20 MΩ/km (20 °C)
Cable resistance	≤ 145 Ω/km (20 °C)
External sheath, color	gray
Degree of protection	IP00
	≥ IP54 (Installation location)
Nominal operating mode	100% operating factor

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
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	M2,5
Number of connections	1
Number of positions	37
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

Standards and Regulations

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Technical data

Standards and Regulations

Flame resistance	UL VW-1
	CSA FT-1
	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
Connection in acc. with standard	CUL
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
Degree of pollution	2
Overvoltage category	II

Supported controller

Controller	mitsubishi MELSEC Q
- suitable I/O card	QY81P

Color code

Connector 1 = connector 2 (optional) = wire color	D-SUB37 (1) = IDC/FLK14-1 (1) = black
	D-SUB37 (20) = IDC/FLK14-1 (2) = brown
	D-SUB37 (2) = IDC/FLK14-1 (3) = red
	D-SUB37 (21) = IDC/FLK14-1 (4) = orange
	D-SUB37 (3) = IDC/FLK14-1 (5) = yellow
	D-SUB37 (22) = IDC/FLK14-1 (6) = green
	D-SUB37 (4) = IDC/FLK14-1 (7) = blue
	D-SUB37 (23) = IDC/FLK14-1 (8) = violet
	D-SUB37 (17) = IDC/FLK14-1 (9) = gray
	D-SUB37 (19) = IDC/FLK14-1 (10) = white
	D-SUB37 (18) = IDC/FLK14-1 (11) = white-black
	D-SUB37 (36) = IDC/FLK14-1 (13) = white-brown
	D-SUB37 (5) = IDC/FLK14-2 (1) = black
	D-SUB37 (24) = IDC/FLK14-2 (2) = brown
	D-SUB37 (6) = IDC/FLK14-2 (3) = red
	D-SUB37 (25) = IDC/FLK14-2 (4) = orange
	D-SUB37 (7) = IDC/FLK14-2 (5) = yellow

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Technical data

Color code

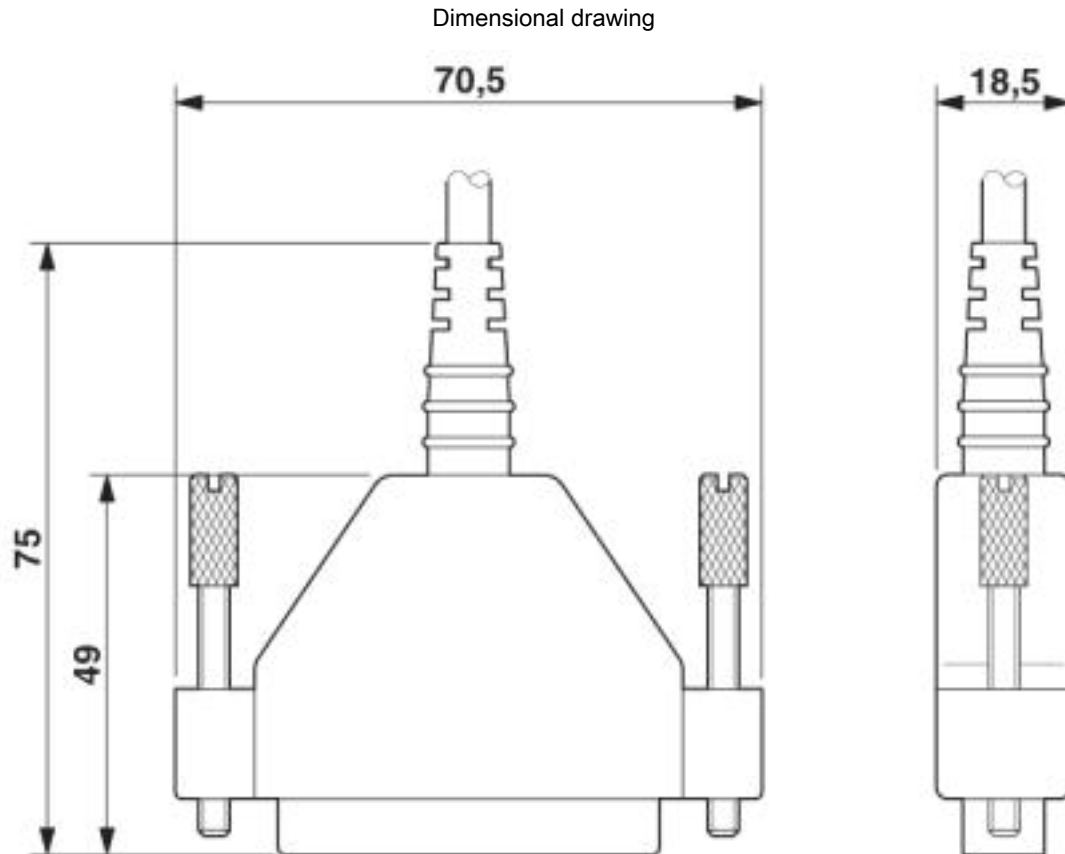
	D-SUB37 (26) = IDC/FLK14-2 (6) = green
	D-SUB37 (8) = IDC/FLK14-2 (7) = blue
	D-SUB37 (27) = IDC/FLK14-2 (8) = violet
	D-SUB37 (17) = IDC/FLK14-2 (9) = gray
	D-SUB37 (19) = IDC/FLK14-2 (10) = white
	D-SUB37 (18) = IDC/FLK14-2 (11) = white-black
	D-SUB37 (36) = IDC/FLK14-2 (13) = white-brown
	D-SUB37 (9) = IDC/FLK14-3 (1) = black
	D-SUB37 (28) = IDC/FLK14-3 (2) = brown
	D-SUB37 (10) = IDC/FLK14-3 (3) = red
	D-SUB37 (29) = IDC/FLK14-3 (4) = orange
	D-SUB37 (11) = IDC/FLK14-3 (5) = yellow
	D-SUB37 (30) = IDC/FLK14-3 (6) = green
	D-SUB37 (12) = IDC/FLK14-3 (7) = blue
	D-SUB37 (31) = IDC/FLK14-3 (8) = violet
	D-SUB37 (17) = IDC/FLK14-3 (9) = gray
	D-SUB37 (37) = IDC/FLK14-3 (10) = white
	D-SUB37 (18) = IDC/FLK14-3 (11) = white-black
	D-SUB37 (36) = IDC/FLK14-3 (13) = white-brown
	D-SUB37 (13) = IDC/FLK14-4 (1) = black
	D-SUB37 (32) = IDC/FLK14-4 (2) = brown
	D-SUB37 (14) = IDC/FLK14-4 (3) = red
	D-SUB37 (33) = IDC/FLK14-4 (4) = orange
	D-SUB37 (15) = IDC/FLK14-4 (5) = yellow
	D-SUB37 (34) = IDC/FLK14-4 (6) = green
	D-SUB37 (16) = IDC/FLK14-4 (7) = blue
	D-SUB37 (35) = IDC/FLK14-4 (8) = violet
	D-SUB37 (17) = IDC/FLK14-4 (9) = gray
	D-SUB37 (37) = IDC/FLK14-4 (10) = white
	D-SUB37 (18) = IDC/FLK14-4 (11) = white-black
	D-SUB37 (36) = IDC/FLK14-4 (13) = white-brown

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Drawings



Classifications

eCl@ss

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 8.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237

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Classifications

ETIM

ETIM 4.0	EC000237
ETIM 5.0	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

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		

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Approvals

EAC		RU C- DE.A*30.B00767
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cULus Listed	
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Accessories

Accessories

Marker carrier cable

Cable marker carrier - KME - 0807083



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