PHŒNIX CONTACT

Cable - CABLE-FCN40/1X50/ 6,0M/IM/MEL - 2903473

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Round cable set for Mitsubishi Electric MELSEC L, MELSEC Q with 1 x Fujitsu connector (40-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 6 m

RoHS

Key Commercial Data

Packing unit	1 STK
Custom tariff number	85444290
Country of origin	Germany

Technical data

General

Nominal voltage U_N	< 50 V AC
	60 V DC
Max. current carrying capacity per path	1 A
Max. total current of all branches	2 A
Max. conductor resistance	0.16 Ω/m
Length of cable	6 m
Single wire, cross section	0.14 mm²
Single wire, cross section [AWG]	26
Conductor construction: Number of litz wires:	7
Single wire, material	Cu tin-plated
External diameter	10 mm
Shielding	no
Outer sheath, material	PVC
External sheath, color	RAL7035

Environmental conditions

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Technical data

Environmental conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Flame resistance	IEC 60332-1
	DIN VDE 0482 Part 332-1
Resistance to oil	DIN VDE 0472 Part 803, test type B
Gasoline resistance	Against occasional splashes

Connector, module side

Connection name	Field level
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

Connector, controller side

Connection name	Controller level
Connection method	Fujitsu connector
Number of connections	1
Number of positions	40

Supported controller

Controller	MITSUBISHI MELSEC Q
- suitable I/O card	QX41
	QX41-S1
	QX42
	QX42-S1
	QX71
	QX72
	QY41P
	QY42P
	QY71
	QH42P
	QY82P
Controller	MITSUBISHI MELSEC L
- suitable I/O card	LX41C4
	LX42C4
	LY41NT1P
	LY42NT1P
	LY41PT1P

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Technical data

Supported controller

	LY42PT1P
Controller	Honeywell MasterLogic 200
- suitable I/O card	2MLQ-TR4A
	2MLQ-TR8A
	2MLQ-TR4B
	2MLQ-TR8B

Standards and Regulations

Resistance to oil	DIN VDE 0472 Part 803, test type B
Flame resistance	IEC 60332-1
	DIN VDE 0482 Part 332-1

Color code

Connector 1 = connector 2 (optional) = wire color	Fujitsu40 (A1) = IDC/FLK50 (11) = black
	Fujitsu40 (B1) = IDC/FLK50 (1) = brown
	Fujitsu40 (A2) = IDC/FLK50 (48) = red
	Fujitsu40 (B2) = IDC/FLK50 (38) = orange
	Fujitsu40 (A5) = IDC/FLK50 (46) = yellow
	Fujitsu40 (B5) = IDC/FLK50 (22) = green
	Fujitsu40 (A6) = IDC/FLK50 (45) = blue
	Fujitsu40 (B6) = IDC/FLK50 (21) = violet
	Fujitsu40 (A7) = IDC/FLK50 (44) = gray
	Fujitsu40 (B7) = IDC/FLK50 (20) = white
	Fujitsu40 (A8) = IDC/FLK50 (43) = white-black
	Fujitsu40 (B8) = IDC/FLK50 (19) = white-brown
	Fujitsu40 (A9) = IDC/FLK50 (42) = white-red
	Fujitsu40 (B9) = IDC/FLK50 (18) = white-orange
	Fujitsu40 (A10) = IDC/FLK50 (41) = white-yellow
	Fujitsu40 (B10) = IDC/FLK50 (17) = white-green
	Fujitsu40 (A11) = IDC/FLK50 (40) = white-blue
	Fujitsu40 (B11) = IDC/FLK50 (16) = white-violet
	Fujitsu40 (A12) = IDC/FLK50 (39) = white-gray
	Fujitsu40 (B12) = IDC/FLK50 (15) = brown-black
	Fujitsu40 (A13) = IDC/FLK50 (34) = brown-red
	Fujitsu40 (B13) = IDC/FLK50 (10) = brown-orange
	Fujitsu40 (A14) = IDC/FLK50 (33) = brown-yellow
	Fujitsu40 (B14) = IDC/FLK50 (9) = brown-green
	Fujitsu40 (A15) = IDC/FLK50 (32) = brown-blue

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Color code

	Fujitsu40 (B15) = IDC/FLK50 (8) = brown-violet
	Fujitsu40 (A16) = IDC/FLK50 (31) = brown-gray
	Fujitsu40 (B16) = IDC/FLK50 (7) = brown-white
	Fujitsu40 (A17) = IDC/FLK50 (30) = green-black
	Fujitsu40 (B17) = IDC/FLK50 (6) = green-brown
	Fujitsu40 (A18) = IDC/FLK50 (29) = green-red
	Fujitsu40 (B18) = IDC/FLK50 (5) = green-orange
	Fujitsu40 (A19) = IDC/FLK50 (28) = green-blue
	Fujitsu40 (B19) = IDC/FLK50 (4) = green-violet
	Fujitsu40 (A20) = IDC/FLK50 (27) = green-gray
	Fujitsu40 (B20) = IDC/FLK50 (3) = green-white

Drawings

Connection diagram

Fujitsu FCN 40	FLK 50	Fujitsu FCN 40	FLK 50
PIN A1	PIN 11	PIN B16	PIN 7
PIN B1	PIN 1	PIN A17	PIN 30
PIN A2	PIN 48	PIN B17	PIN 6
PIN B2	PIN 38	PIN A18	PIN 29
PIN A3		PIN B18	PIN 5
PIN B3		PIN A19	PIN 28
PIN A4		PIN B19	PIN 4
PIN B4		PIN A20	PIN 27
PIN A5	PIN 46	PIN B20	PIN 3
PIN B5	PIN 22		PIN 2
PIN A6	PIN 45		PIN 13
PIN B6	PIN 21		PIN 12
PIN A7	PIN 44		PIN 23
PIN B7	PIN 20		PIN 14
PIN A8	PIN 43		PIN 25
PIN B8	PIN 19		PIN 24
PIN A9	PIN 42		PIN 35
PIN B9	PIN 18		PIN 26
PIN A10	PIN 41		PIN 37
PIN B10	PIN 17		PIN 36
PIN A11	PIN 40		PIN 47
PIN B11	PIN 16		
PIN A12	PIN 39		
PIN B12	PIN 15		
PIN A13	PIN 34		
PIN B13	PIN 10		
PIN A14	PIN 33		
PIN B14	PIN 9		
PIN A15	PIN 32		
PIN B15	PIN 8		
PIN A16	PIN 31		

Classifications

eCl@ss

eCl@ss 4.0	27060306

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Classifications

eCl@ss

eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 6.0	27249205
eCl@ss 7.0	27249205
eCl@ss 8.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 5.0	EC000237

UNSPSC

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

Approvals

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EAC / UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

EAC   RU C-DE.A*30.B00767

UL Listed ⓤ http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 238705

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Approvals

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