

2302612

https://www.phoenixcontact.com/us/products/2302612

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 documentation. Our general terms of use for downloads are valid.



Round cable set; controller: Mitsubishi Electric MELSEC Q (Y81P); connection 1: D-SUB socket strip (1x 37-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

Commercial data

Item number	2302612
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK2143
Catalog page	Page 482 (C-5-2019)
GTIN	4017918910266
Weight per piece (including packing)	457 g
Weight per piece (excluding packing)	425.5 g
Customs tariff number	85444290
Country of origin	DE



2302612

https://www.phoenixcontact.com/us/products/2302612

Technical data

Product properties

Product type	System cable

Environmental and real-life conditions

Ambient conditions

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

Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A (Uncoiled, see derating)
Current (Per path, 70°C)	≤ 0.6 A (Uncoiled, see derating)

Supported controller MITSUBISHI MELSEC Q

••	
Suitable I/O card	QY81P

Cable/line

Cable length 2 m

50X0.14 [PVC]

2464/1061
50
no
50X0.14 [PVC]
Round cable set
7x 0.16 mm
26
50x 0.14 mm²
1 mm ±0.03 mm
10.30 mm ±0.4 mm
Semi-rigid PVC
gray
Tin-plated Cu litz wires
≤ 145 Ω/km (20 °C)
≥ 20 MΩ*km (20 °C)
86 mm



2302612

https://www.phoenixcontact.com/us/products/2302612

Smallest bending radius, movable installation	161 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no
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)
D-SUB37 (17)	IDC/FLK50 (1) = black
D-SUB37 (18)	IDC/FLK50 (2) = brown
D-SUB37 (1)	IDC/FLK50 (3) = red
D-SUB37 (20)	IDC/FLK50 (4) = orange
D-SUB37 (2)	IDC/FLK50 (5) = yellow
D-SUB37 (21)	IDC/FLK50 (6) = green
D-SUB37 (3)	IDC/FLK50 (7) = blue
D-SUB37 (22)	IDC/FLK50 (8) = violet
D-SUB37 (4)	IDC/FLK50 (9) = gray
D-SUB37 (23)	IDC/FLK50 (10) = white
D-SUB37 (19)	IDC/FLK50 (11) = white-black
D-SUB37 (37)	IDC/FLK50 (12) = white-brown
D-SUB37 (17)	IDC/FLK50 (13) = white-red
D-SUB37 (18)	IDC/FLK50 (14) = white-orange
D-SUB37 (5)	IDC/FLK50 (15) = white-yellow
D-SUB37 (24)	IDC/FLK50 (16) = white-green
D-SUB37 (6)	IDC/FLK50 (17) = white-blue
D-SUB37 (25)	IDC/FLK50 (18) = white-violet
D-SUB37 (7)	IDC/FLK50 (19) = white-gray
D-SUB37 (26)	IDC/FLK50 (20) = brown-black
D-SUB37 (8)	IDC/FLK50 (21) = brown-red
D-SUB37 (27)	IDC/FLK50 (22) = brown-orange
D-SUB37 (19)	IDC/FLK50 (23) = brown-yellow
D-SUB37 (37)	IDC/FLK50 (24) = brown-green
D-SUB37 (17)	IDC/FLK50 (25) = brown-blue
D-SUB37 (36)	IDC/FLK50 (26) = brown-violet
D-SUB37 (9)	IDC/FLK50 (27) = brown-gray
D-SUB37 (28)	IDC/FLK50 (28) = brown-white
D-SUB37 (10)	IDC/FLK50 (29) = green-black
D-SUB37 (29)	IDC/FLK50 (30) = green-brown
D-SUB37 (11)	IDC/FLK50 (31) = green-red
D-SUB37 (30)	IDC/FLK50 (32) = green-orange
D-SUB37 (12)	IDC/FLK50 (33) = green-blue
D-SUB37 (31)	IDC/FLK50 (34) = green-violet
D-SUB37 (19)	IDC/FLK50 (35) = green-gray



2302612

https://www.phoenixcontact.com/us/products/2302612

D-SUB37 (37)	IDC/FLK50 (36) = green-white
D-SUB37 (36)	IDC/FLK50 (37) = yellow-black
D-SUB37 (18)	IDC/FLK50 (38) = yellow-brown
D-SUB37 (13)	IDC/FLK50 (39) = yellow-red
D-SUB37 (32)	IDC/FLK50 (40) = yellow-orange
D-SUB37 (14)	IDC/FLK50 (41) = yellow-blue
D-SUB37 (33)	IDC/FLK50 (42) = yellow-violet
D-SUB37 (15)	IDC/FLK50 (43) = yellow-gray
D-SUB37 (34)	IDC/FLK50 (44) = yellow-white
D-SUB37 (16)	IDC/FLK50 (45) = gray-black
D-SUB37 (35)	IDC/FLK50 (46) = gray-brown
D-SUB37 (19)	IDC/FLK50 (47) = gray-red
D-SUB37 (37)	IDC/FLK50 (48) = gray-orange

Connection data

Connection 1

Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
	M2,5
Number of connections	1
Number of positions	37
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Connection 2

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

Notes

General	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
---------	--



2302612

https://www.phoenixcontact.com/us/products/2302612

Classifications

UNSPSC 21.0

ECLASS

ECLASS-1	1.0	27242220
ECLASS-1	2.0	27242220
ECLASS-1	3.0	27242220
ETIM		
ETIM 9.0		EC000237
UNSPSC		

26121600



2302612

https://www.phoenixcontact.com/us/products/2302612

Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com