

2304144

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Round cable set; controller: OMRON CJ1 (OD 231, OD 261) CS1, C200H (OD 218, OD 219); connection 1: Fujitsu connector (1x 40-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

Your advantages

• Signal transfer of 32 channels

Commercial data

Item number	2304144
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK226O
GTIN	4017918927356
Weight per piece (including packing)	172.2 g
Weight per piece (excluding packing)	170.6 g
Customs tariff number	85444290
Country of origin	DE



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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) (fixed installation)	-40 °C 70 °C (fixed installation)
Ambient temperature (operation) (flexible installation)	-10 °C 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m

Electrical properties

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

Supported controller OMRON CQM1

Suitable I/O card	OD213	

Supported controller OMRON CS1/C200H

Suitable I/O card	OD218
	OD219

Supported controller OMRON C200H

Suitable I/O card	OD218
	OD219

Supported controller OMRON CJ1

Suitable I/O card	OD231
	OD261

Cable/line

Cable length	1 m
40X0.14 [PVC]	
UL AWM Style	2464/1061
Number of positions	40
Shielded	no
Cable type	40X0.14 [PVC]
Conductor type	Round cable set



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	7v 0.46 mm
nductor structure signal line	7x 0.16 mm
G signal line	26
nductor cross section	40x 0.14 mm²
re diameter incl. insulation	1 mm ±0.03 mm
ernal cable diameter	9.90 mm ±0.4 mm
ter sheath, material	Semi-rigid PVC
ernal sheath, color	gray
nductor material	Tin-plated Cu litz wires
ble resistance	≤ 145 Ω/km (20 °C)
ulation resistance	≥ 20 MΩ*km (20 °C)
allest bending radius, fixed installation	82 mm
allest bending radius, movable installation	155 mm
namic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
ogen-free	no
me 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
stance to oil	can withstand occasional splashes (raw cable)
ole type	can withstand occasional splashes (raw cable) Cable for one module
sistance to oil ble type code: Single-core wire ck	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3)
ble type code: Single-core wire ck wn	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27)
code: Single-core wire	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4)
de type ode: Single-core wire k vn	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28)
e type de: Single-core wire	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5)
e type ode: Single-core wire con ge	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29)
e type ode: Single-core wire con ge w	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6)
e type de: Single-core wire ge	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30)
e type ode: Single-core wire ovn ge w n	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (7)
le type ode: Single-core wire k //n ge ww n et	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (7) Fujitsu40 (B5) = IDC/FLK50 (31)
e type ode: Single-core wire con ge w n the black	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (7) Fujitsu40 (B5) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (8)
e type ode: Single-core wire in ge w n -black -brown	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (7) Fujitsu40 (B5) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (8) Fujitsu40 (B6) = IDC/FLK50 (32)
e type ode: Single-core wire con ge w n t b-black b-brown b-red	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (7) Fujitsu40 (B5) = IDC/FLK50 (31) Fujitsu40 (B6) = IDC/FLK50 (8) Fujitsu40 (B6) = IDC/FLK50 (32) Fujitsu40 (A7) = IDC/FLK50 (9)
e type ode: Single-core wire con ge w n t e-black e-brown e-red e-orange	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (8) Fujitsu40 (B6) = IDC/FLK50 (32) Fujitsu40 (A7) = IDC/FLK50 (9) Fujitsu40 (B7) = IDC/FLK50 (33)
le type code: Single-core wire ck vn nge ow en e e-black e-brown e-red e-orange e-yellow	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (B4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (8) Fujitsu40 (B6) = IDC/FLK50 (32) Fujitsu40 (A7) = IDC/FLK50 (9) Fujitsu40 (B7) = IDC/FLK50 (33) Fujitsu40 (A8) = IDC/FLK50 (10)
code: Single-core wire ckk win inge bw en e e e e-black e-brown e-red e-orange e-cyellow e-green	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (A4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (32) Fujitsu40 (A7) = IDC/FLK50 (9) Fujitsu40 (B7) = IDC/FLK50 (33) Fujitsu40 (A8) = IDC/FLK50 (10) Fujitsu40 (B8) = IDC/FLK50 (34)
code: Single-core wire ck win inge ow en e et ty te te-black te-brown te-red te-orange te-yellow te-green te-blue	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (B4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (31) Fujitsu40 (B6) = IDC/FLK50 (32) Fujitsu40 (B7) = IDC/FLK50 (9) Fujitsu40 (B8) = IDC/FLK50 (10) Fujitsu40 (B8) = IDC/FLK50 (34) Fujitsu40 (B8) = IDC/FLK50 (34) Fujitsu40 (A9) = IDC/FLK50 (11)
code: Single-core wire	Cable for one module Fujitsu40 (A1) = IDC/FLK50 (3) Fujitsu40 (B1) = IDC/FLK50 (27) Fujitsu40 (A2) = IDC/FLK50 (4) Fujitsu40 (B2) = IDC/FLK50 (28) Fujitsu40 (A3) = IDC/FLK50 (5) Fujitsu40 (B3) = IDC/FLK50 (29) Fujitsu40 (A4) = IDC/FLK50 (6) Fujitsu40 (A4) = IDC/FLK50 (30) Fujitsu40 (A5) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (31) Fujitsu40 (A6) = IDC/FLK50 (32) Fujitsu40 (A7) = IDC/FLK50 (9) Fujitsu40 (B7) = IDC/FLK50 (33) Fujitsu40 (A8) = IDC/FLK50 (10) Fujitsu40 (B8) = IDC/FLK50 (34)



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brown-red	Fujitsu40 (A11) = IDC/FLK50 (15)
brown-orange	Fujitsu40 (B11) = IDC/FLK50 (39)
brown-yellow	Fujitsu40 (A12) = IDC/FLK50 (16)
brown-green	Fujitsu40 (B12) = IDC/FLK50 (40)
brown-blue	Fujitsu40 (A13) = IDC/FLK50 (17)
brown-violet	Fujitsu40 (B13) = IDC/FLK50 (41)
brown-gray	Fujitsu40 (A14) = IDC/FLK50 (18)
brown-white	Fujitsu40 (B14) = IDC/FLK50 (42)
green-black	Fujitsu40 (A15) = IDC/FLK50 (19)
green-brown	Fujitsu40 (B15) = IDC/FLK50 (43)
green-red	Fujitsu40 (A16) = IDC/FLK50 (20)
green-orange	Fujitsu40 (B16) = IDC/FLK50 (44)
green-blue	Fujitsu40 (A17) = IDC/FLK50 (21)
green-violet	Fujitsu40 (B17) = IDC/FLK50 (45)
green-gray	Fujitsu40 (A18) = IDC/FLK50 (22)
green-white	Fujitsu40 (B18) = IDC/FLK50 (46)
yellow-black	Fujitsu40 (A19) = IDC/FLK50 (23)
yellow-brown	Fujitsu40 (B19) = IDC/FLK50 (47)
yellow-red	Fujitsu40 (A20) = IDC/FLK50 (13)
yellow-orange	Fujitsu40 (B20) = IDC/FLK50 (37)

Connection data

Connection 1

Connection method	Fujitsu connector
Туре	FCN 367
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 2

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

Notes

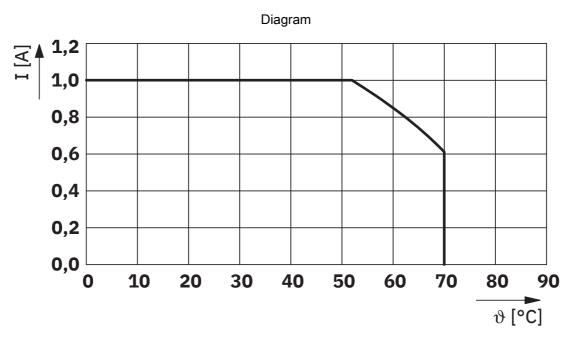
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Drawings



Maximum permissible current per path in uncoiled state



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Classifications

ETIM

	ETIM 8.0	EC000237	
UN	UNSPSC		
	UNSPSC 21.0	26121600	



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Environmental product compliance

EU RoHS

Yes
6(c)
EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
Lead(CAS: 7439-92-1)

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