CABLE-D37F/4XD15F/4,0M/ETHA - Cable

1119202

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Round cable set; controller: Siemens SIMATIC® ET 200SP HA; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (4x 15-position); cable length: 4 m

Commercial data

Item number	1119202
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK225S
GTIN	4063151047078
Weight per piece (including packing)	1,040 g
Weight per piece (excluding packing)	1,040 g
Customs tariff number	85444290
Country of origin	DE

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 (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: SIEMENS ET 200SP HA

Suitable terminal block	6DL1193-6TP00-0BH1
	6DL1193-6TP00-0DH1
	6DL1193-6TP00-0BM1
	6DL1193-6TP00-0DM1
Suitable I/O module	6DL1131-6BL00-0PH1 (Terminal Block H1/M1)
	6DL1132-6BL00-0PH1 (Terminal Block H1/M1)

Cable/line

Cable length	4 m

10X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	10
Shielded	no
Cable type	10X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	10x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.10 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC

External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	98 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000
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)
Cable type	Splitting cable for four modules

Color code: Single-core wire

black	D-SUB 37 X1 (1) = D-SUB15 X2 (1)
brown	D-SUB 37 X1 (2) = D-SUB15 X2 (2)
red	D-SUB 37 X1 (3) = D-SUB15 X2 (3)
orange	D-SUB 37 X1 (4) = D-SUB15 X2 (4)
yellow	D-SUB 37 X1 (5) = D-SUB15 X2 (5)
green	D-SUB 37 X1 (6) = D-SUB15 X2 (6)
blue	D-SUB 37 X1 (7) = D-SUB15 X2 (7)
violet	D-SUB 37 X1 (8) = D-SUB15 X2 (8)
gray	D-SUB 37 X1 (17) = D-SUB15 X2 (9)
white	D-SUB 37 X1 (36) = D-SUB15 X2 (10)
black	D-SUB 37 X1 (9) = D-SUB15 X3 (1)
brown	D-SUB 37 X1 (10) = D-SUB15 X3 (2)
red	D-SUB 37 X1 (11) = D-SUB15 X3 (3)
orange	D-SUB 37 X1 (12) = D-SUB15 X3 (4)
yellow	D-SUB 37 X1 (13) = D-SUB15 X3 (5)
green	D-SUB 37 X1 (14) = D-SUB15 X3 (6)
blue	D-SUB 37 X1 (15) = D-SUB15 X3 (7)
violet	D-SUB 37 X1 (16) = D-SUB15 X3 (8)
gray	D-SUB 37 X1 (18) = D-SUB15 X3 (9)
white	D-SUB 37 X1 (37) = D-SUB15 X3 (10)
black	D-SUB 37 X1 (20) = D-SUB15 X4 (1)
brown	D-SUB 37 X1 (21) = D-SUB15 X4 (2)
red	D-SUB 37 X1 (22) = D-SUB15 X4 (3)
orange	D-SUB 37 X1 (23) = D-SUB15 X4 (4)
yellow	D-SUB 37 X1 (24) = D-SUB15 X4 (5)
green	D-SUB 37 X1 (25) = D-SUB15 X4 (6)
blue	D-SUB 37 X1 (26) = D-SUB15 X4 (7)

violet	D-SUB 37 X1 (27) = D-SUB15 X4 (8)
gray	D-SUB 37 X1 (17) = D-SUB15 X4 (9)
white	D-SUB 37 X1 (36) = D-SUB15 X4 (10)
black	D-SUB 37 X1 (28) = D-SUB15 X5 (1)
brown	D-SUB 37 X1 (29) = D-SUB15 X5 (2)
red	D-SUB 37 X1 (30) = D-SUB15 X5 (3)
orange	D-SUB 37 X1 (31) = D-SUB15 X5 (4)
yellow	D-SUB 37 X1 (32) = D-SUB15 X5 (5)
green	D-SUB 37 X1 (33) = D-SUB15 X5 (6)
blue	D-SUB 37 X1 (34) = D-SUB15 X5 (7)
violet	D-SUB 37 X1 (35) = D-SUB15 X5 (8)
gray	D-SUB 37 X1 (18) = D-SUB15 X5 (9)
white	D-SUB 37 X1 (37) = D-SUB15 X5 (10)

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
Number of connections	1
Number of positions	37
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Connection 2

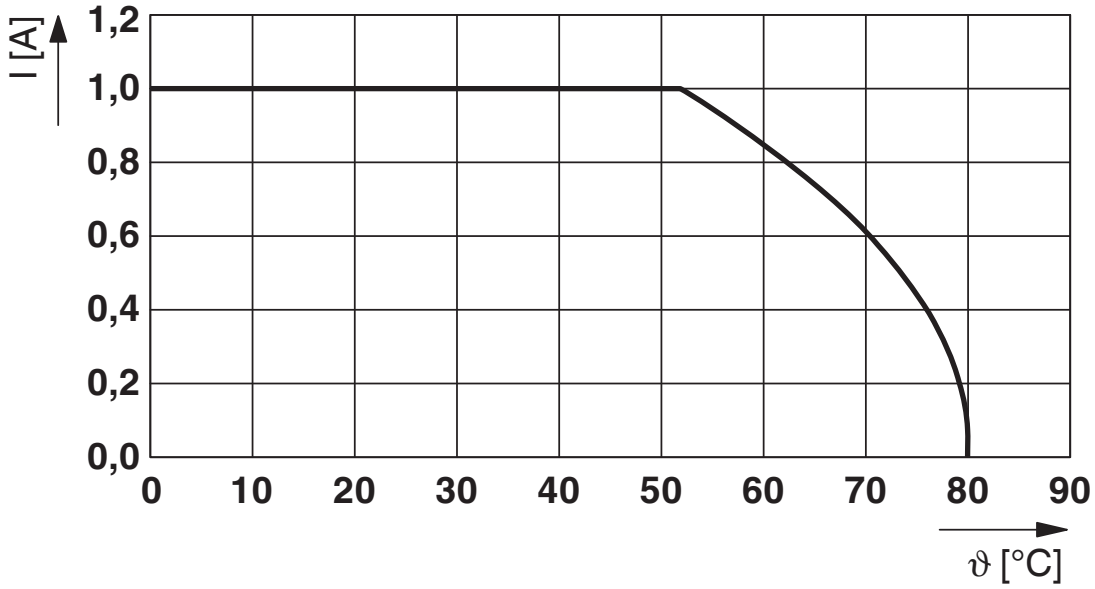
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	4
Number of positions	15
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.74 mm

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.

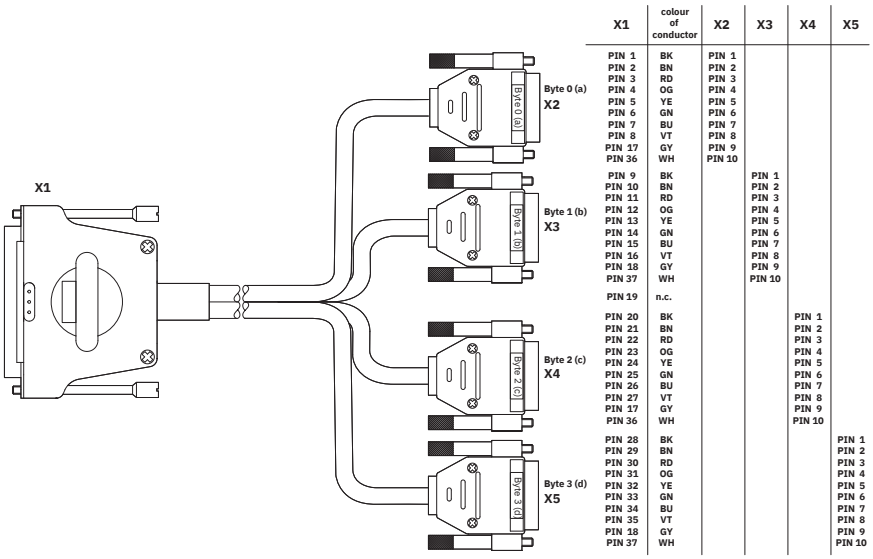
Drawings

Diagram



Maximum permissible current per path in uncoiled state

Circuit diagram



X1	colour of conductor	X2	X3	X4	X5
PIN 1	BK	PIN 1			
PIN 2	BN	PIN 2			
PIN 3	RD	PIN 3			
PIN 4	OG	PIN 4			
PIN 5	YE	PIN 5			
PIN 6	GN	PIN 6			
PIN 7	BU	PIN 7			
PIN 8	VT	PIN 8			
PIN 17	GY	PIN 9			
PIN 36	WH	PIN 10			
PIN 9	BK		PIN 1		
PIN 10	BN		PIN 2		
PIN 11	RD		PIN 3		
PIN 12	OG		PIN 4		
PIN 13	YE		PIN 5		
PIN 14	GN		PIN 6		
PIN 15	BU		PIN 7		
PIN 16	VT		PIN 8		
PIN 18	GY		PIN 9		
PIN 37	WH		PIN 10		
PIN 19	n.c.				
PIN 20	BK			PIN 1	
PIN 21	BN			PIN 2	
PIN 22	RD			PIN 3	
PIN 23	OG			PIN 4	
PIN 24	YE			PIN 5	
PIN 25	GN			PIN 6	
PIN 26	BU			PIN 7	
PIN 27	VT			PIN 8	
PIN 17	GY			PIN 9	
PIN 36	WH			PIN 10	
PIN 28	BK				PIN 1
PIN 29	BN				PIN 2
PIN 30	RD				PIN 3
PIN 31	OG				PIN 4
PIN 32	YE				PIN 5
PIN 33	GN				PIN 6
PIN 34	BU				PIN 7
PIN 35	VT				PIN 8
PIN 18	GY				PIN 9
PIN 37	WH				PIN 10

Approvals

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UL Listed
Approval ID: E238705

cUL Listed
Approval ID: E238705

Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)-I, 6(c)

China RoHS

Environment friendly use period (EFUP)	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.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	7d0d6051-011b-413c-bd88-9013f212db65

EF3.1 Climate Change

CO2e kg	14.867 kg CO2e

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