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CABLE-D37SUB/B/S/100/KONFEK/S - Cable

2302201

https://www.phoenixcontact.com/pc/products/2302201

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m

Commercial data

Item number	2302201
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK2252
Catalog page	Page 570 (C-5-2019)
GTIN	4017918894740
Weight per piece (including packing)	302.3 g
Weight per piece (excluding packing)	278.7 g
Customs tariff number	85444290
Country of origin	HU

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Technical data

Product properties

Product type	System cable

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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)	≤ 2 A (Uncoiled, see derating)

Cable/line

Cable length	1 m

37X0.25 [PVC]

UL AWM Style	2464/1061
Number of positions	37
Shielded	yes
Cable type	37X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross section	37x 0.25 mm²
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	10.80 mm ±0.5 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 80 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (at 20 °C)
Smallest bending radius, fixed installation	90 mm
Smallest bending radius, movable installation	170 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no

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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)

Color code

white	D-SUB37 (1) = D-SUB37 (1)
brown	D-SUB37 (2) = D-SUB37 (2)
green	D-SUB37 (3) = D-SUB37 (3)
yellow	D-SUB37 (4) = D-SUB37 (4)
gray	D-SUB37 (5) = D-SUB37 (5)
pink	D-SUB37 (6) = D-SUB37 (6)
blue	D-SUB37 (7) = D-SUB37 (7)
red	D-SUB37 (8) = D-SUB37 (8)
black	D-SUB37 (9) = D-SUB37 (9)
violet	D-SUB37 (10) = D-SUB37 (10)
gray-pink	D-SUB37 (11) = D-SUB37 (11)
red-blue	D-SUB37 (12) = D-SUB37 (12)
white-green	D-SUB37 (13) = D-SUB37 (13)
brown-green	D-SUB37 (14) = D-SUB37 (14)
white-yellow	D-SUB37 (15) = D-SUB37 (15)
yellow-brown	D-SUB37 (16) = D-SUB37 (16)
white-gray	D-SUB37 (17) = D-SUB37 (17)
gray-brown	D-SUB37 (18) = D-SUB37 (18)
white-pink	D-SUB37 (19) = D-SUB37 (19)
pink-brown	D-SUB37 (20) = D-SUB37 (20)
white-blue	D-SUB37 (21) = D-SUB37 (21)
brown-blue	D-SUB37 (22) = D-SUB37 (22)
white-red	D-SUB37 (23) = D-SUB37 (23)
brown-red	D-SUB37 (24) = D-SUB37 (24)
white-black	D-SUB37 (25) = D-SUB37 (25)
brown-black	D-SUB37 (26) = D-SUB37 (26)
gray-green	D-SUB37 (27) = D-SUB37 (27)
yellow-gray	D-SUB37 (28) = D-SUB37 (28)
pink-green	D-SUB37 (29) = D-SUB37 (29)
yellow-pink	D-SUB37 (30) = D-SUB37 (30)
green-blue	D-SUB37 (31) = D-SUB37 (31)
yellow-blue	D-SUB37 (32) = D-SUB37 (32)
green-red	D-SUB37 (33) = D-SUB37 (33)
yellow-red	D-SUB37 (34) = D-SUB37 (34)
green-black	D-SUB37 (35) = D-SUB37 (35)
yellow-black	D-SUB37 (36) = D-SUB37 (36)

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gray-blue	D-SUB37 (37) = D-SUB37 (37)

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 pin 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

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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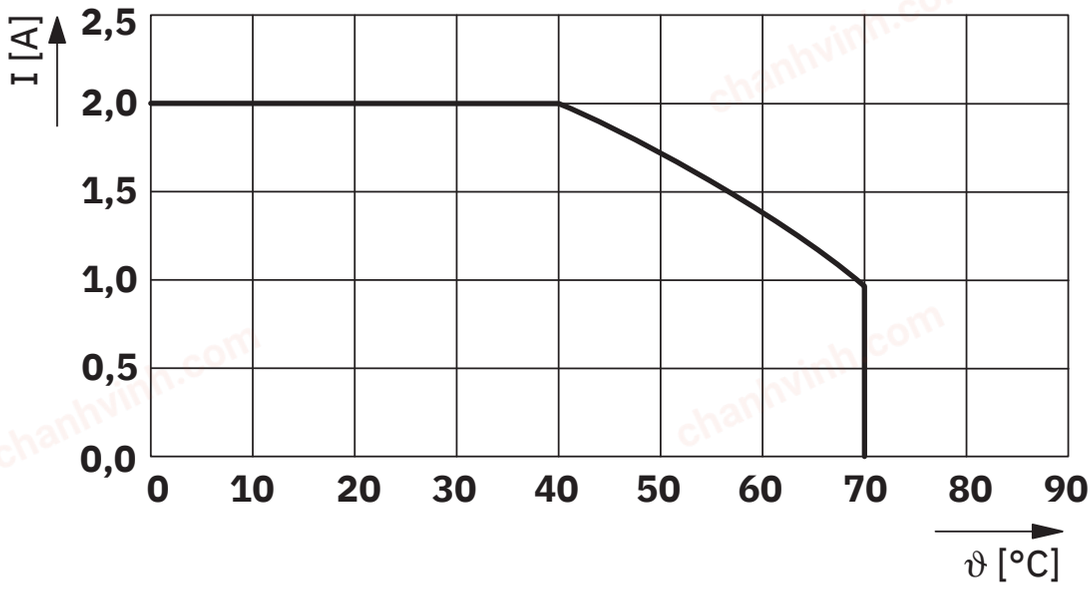
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Drawings

Diagram



Maximum permissible current per path in uncoiled state

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/2302201

CSA
Approval ID: 70002966

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	-	-

cUL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	2 A	-	-

UL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	2 A	-	-

EAC
Approval ID: RU*-DE.HB*35.B00385

cULus Listed
Approval ID: E238705 V22/S5

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

ETIM

ETIM 9.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)

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	4a057e94-8e9a-4aa3-9248-00e2c8eea7e6

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