

2904077

https://www.phoenixcontact.com/us/products/2904077

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Round cable set; connection 1: Single wires (10-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 10-position); cable length: 2.5 m

Commercial data

Item number	2904077
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2213
GTIN	4046356773201
Weight per piece (including packing)	135.5 g
Weight per piece (excluding packing)	135.5 g
Customs tariff number	85444290
Country of origin	DE



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Technical data

Product properties

Environmental and real-life conditions

Smallest bending radius, fixed installation

Dynamic load capacity (bending)

Smallest bending radius, movable installation

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)

Cable/line

BIC/IIIIO			
Cable length	2.5 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)		

52 mm

98 mm

Max. bending cycles: 5000



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logen-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
esistance to oil	can withstand occasional splashes (raw cable)
able type	Cable for one module
	IDC/FLK10 (1) = ()
lack	IDC/FLK10 (1) = ()
rown	IDC/FLK10 (2) = ()
rown ed	IDC/FLK10 (2) = () IDC/FLK10 (3) = ()
ed	IDC/FLK10 (3) = ()
ed range	IDC/FLK10 (3) = () IDC/FLK10 (4) = ()
ed range ellow	IDC/FLK10 (3) = () IDC/FLK10 (4) = () IDC/FLK10 (5) = ()
ed range ellow reen	IDC/FLK10 (3) = () IDC/FLK10 (4) = () IDC/FLK10 (5) = () IDC/FLK10 (6) = ()
ed range ellow reen	IDC/FLK10 (3) = () IDC/FLK10 (4) = () IDC/FLK10 (5) = () IDC/FLK10 (6) = () IDC/FLK10 (7) = ()

Connection data

Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈ L J⊕↓ mm
Number of positions	10
Note	The wires are marked and fitted with ferrules

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	10
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Notes

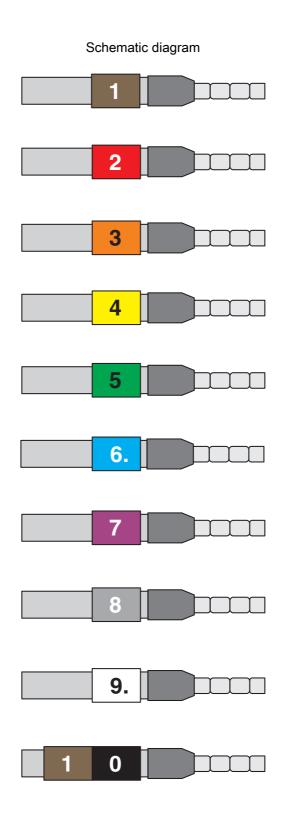
Notes on operation	For proper use, the specifications of the installation directive (see
Troibe on operation	Downloads) must be observed. For applications or use with third-
	party products, the specifications, and the safety and warning
	instructions of the respective third-party manufacturer must also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



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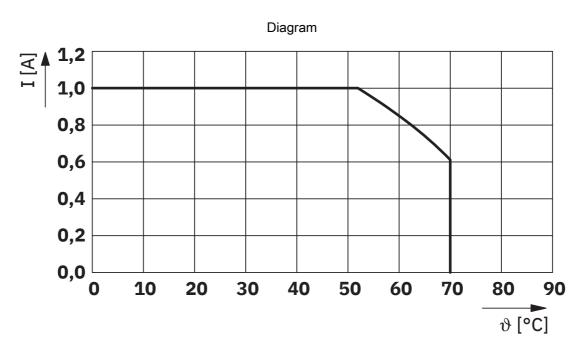
Drawings





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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/us/products/2904077

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

UL Listed Approval ID: E238705				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	125 V	1 A	-	-

•	cUL Listed Approval ID: E238705				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
		125 V	1 A	-	-



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-13.0	27242220	
	ECLASS-15.0	27242220	
ETIM			
	ETIM 9.0	EC000237	
UNSPSC			

26121600



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Environmental product compliance

EU RoHS

Yes, No exemptions		
China RoHS		
EFUP-E		
No hazardous substances above the limits		
EU REACH SVHC		
No substance above 0.1 wt%		

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