

2904842

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Assembled shielded round cable with additional shield connection and two 40-pos. socket strips (1:1 connection). One socket strip is molded ( $90^{\circ}$  outlet), cable length: 30 m

## Your advantages

- 40-pos.
- 1:1 connection

#### Commercial data

Item number	2904842
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK2AH2
GTIN	4046356892179
Weight per piece (including packing)	4,609 g
Weight per piece (excluding packing)	4,583 g
Customs tariff number	85444290
Country of origin	DE



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## Technical data

### Product properties

Product type	System cable		
Insulation characteristics: Air clearances and creepage distances			
Insulation	Functional insulation		
Overvoltage category	II		
Pollution degree	2		

### 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)	≤ 24 V DC
Nominal operating mode	100% operating factor
Current (Per path)	≤ 0.5 A

#### Air clearances and creepage distances

Wire diameter incl. insulation

External cable diameter

Outer sheath, material External sheath, color

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 μs)

### Cable/line

Cable length	30 m
40X0.14 [PVC]	
40/.0.14 [i VO]	
UL AWM Style	2464/1061
Number of positions	40
Shielded	yes
Cable type	40X0.14 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	40x 0.14 mm²

1 mm ±0.03 mm

gray

9.80 mm ±0.3 mm Semi-rigid PVC



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Conductor material	Tin-plated Cu litz wires	
Cable resistance	≤ 145 Ω/km (at 20 °C)	
Insulation resistance	≥ 20 MΩ*km (20 °C)	
Smallest bending radius, fixed installation	101 mm	
Smallest bending radius, movable installation	182 mm	
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 18x 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)	
Cable type	Cable for one module	

### Connection data

## Flat-ribbon cable connector

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	40
Exit angle	90 °
Insertion/withdrawal cycles	> 200
Pitch	2.54 mm

#### Flat-ribbon cable connector

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 200
Pitch	2.54 mm

## Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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### Notes

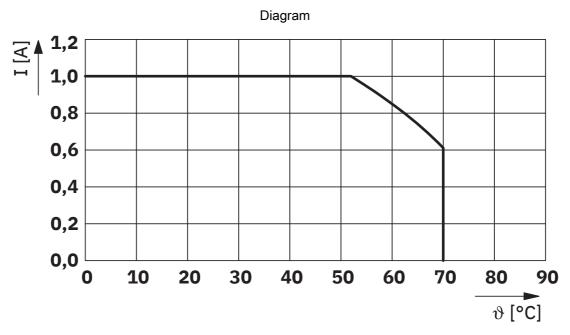
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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##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



Maximum permissible current per path in uncoiled state



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## Classifications

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	ECLASS-13.0	27242220	
ETIM			
	ETIM 9.0	EC000237	
UNSPSC			
	UNSPSC 21.0	26121600	



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## Environmental product compliance

#### EU RoHS

25 1.61.6			
Fulfills EU RoHS substance requirements	Yes, No exemptions		
China RoHS			
Environment friendly use period (EFUP)	EFUP-E		
	No hazardous substances above the limits		
EU REACH SVHC			
REACH candidate substance (CAS No.)	No substance above 0.1 wt%		

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