

1606701

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M23, Cable connector, series: UC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 2 mm ... 14.5 mm, coding: N

Commercial data

Item number	1606701
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRAIA
GTIN	4046356261296
Weight per piece (including packing)	128.6 g
Weight per piece (excluding packing)	128.6 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Product properties

	Product type	Circular connector (cable-side)
Ма	terial specifications	
	Housing material	Metal

Connector

Insulating body

Coding N Insertion/withdrawal cycles 100 Connection method Solder cup Contact switching type Socket Application Signal Number of positions 19 Direction of rotation Standard Connection profile 16+3 Contact diameter Power contacts 1.5 mm Litz wire cross-section Power contacts min. 0.08 mm² Litz wire cross-section Power contacts max. 1 mm² Rated current Power contacts 10 A Rated voltage 48 V AC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. 0.08 mm² Litz wire cross-section Signal contacts max. 1 mm² Nominal current per signal contacts 1 mm² Contact diameter Data contacts 1.5 mm		
Connection method Contact switching type Socket Application Signal Number of positions 19 Direction of rotation Connection profile 16+3 Contact diameter Power contacts 1.5 mm Litz wire cross-section Power contacts min. Litz wire cross-section Power contacts Rated current Power contacts 10 A Rated surge voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts min. Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts min. Nominal current per signal contact 8 A	Coding	N
Contact switching type Socket Application Signal Number of positions 19 Direction of rotation Standard Connection profile 16+3 Contact diameter Power contacts 1.5 mm Litz wire cross-section Power contacts min. 0.08 mm² Litz wire cross-section Power contacts max. 1 mm² Rated current Power contacts 10 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. 0.08 mm² Litz wire cross-section Signal contacts max. 1 mm² Nominal current per signal contact 8 A	Insertion/withdrawal cycles	100
Application Signal Number of positions 19 Direction of rotation Standard Connection profile 16+3 Contact diameter Power contacts 1.5 mm Litz wire cross-section Power contacts min. 0.08 mm² Litz wire cross-section Power contacts max. 1 mm² Rated current Power contacts 10 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. 0.08 mm² Litz wire cross-section Signal contacts max. 1 mm² Nominal current per signal contact 8 A	Connection method	Solder cup
Number of positions 19 Direction of rotation Standard Connection profile 16+3 Contact diameter Power contacts 1.5 mm Litz wire cross-section Power contacts min. 0.08 mm² Litz wire cross-section Power contacts max. 1 mm² Rated current Power contacts 10 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. 0.08 mm² Litz wire cross-section Signal contacts max. 1 mm² Nominal current per signal contact 8 A	Contact switching type	Socket
Direction of rotation Standard Connection profile 16+3 Contact diameter Power contacts 1.5 mm Litz wire cross-section Power contacts min. 0.08 mm² Litz wire cross-section Power contacts max. 1 mm² Rated current Power contacts 10 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. 0.08 mm² Litz wire cross-section Signal contacts max. 1 mm² Nominal current per signal contact 8 A	Application	Signal
Connection profile 16+3 Contact diameter Power contacts 1.5 mm Litz wire cross-section Power contacts min. 0.08 mm² Litz wire cross-section Power contacts max. 1 mm² Rated current Power contacts 10 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. 0.08 mm² Litz wire cross-section Signal contacts max. 1 mm² Nominal current per signal contact 8 A	Number of positions	19
Contact diameter Power contacts Litz wire cross-section Power contacts min. Litz wire cross-section Power contacts max. Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage Overvoltage category III Degree of pollution Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 1.5 mm 0.08 mm² 1 mm² 1 mm²	Direction of rotation	Standard
Litz wire cross-section Power contacts min. Litz wire cross-section Power contacts max. Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage Overvoltage category Degree of pollution Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Nominal current per signal contact 0.08 mm² 1 mm² 8 A	Connection profile	16+3
Litz wire cross-section Power contacts max. Rated current Power contacts Rated voltage Rated surge voltage Rated surge voltage Overvoltage category Degree of pollution Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 1 mm²	Contact diameter Power contacts	1.5 mm
Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 0vervoltage category Degree of pollution Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 10 A 48 V AC 74 V DC 1.5 kV 0vervoltage category III 0.08 mm² 1 mm 8 A	Litz wire cross-section Power contacts min.	0.08 mm²
Rated voltage Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Litz wire cross-section Power contacts max.	1 mm²
Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Rated current Power contacts	10 A
Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Rated voltage	48 V AC
Overvoltage category Degree of pollution Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A		74 V DC
Degree of pollution 3 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. 0.08 mm² Litz wire cross-section Signal contacts max. 1 mm² Nominal current per signal contact 8 A	Rated surge voltage	1.5 kV
Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Overvoltage category	III
Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Degree of pollution	3
Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Contact diameter Signal contacts	1 mm
Nominal current per signal contact 8 A	Litz wire cross-section Signal contacts min.	0.08 mm²
	Litz wire cross-section Signal contacts max.	1 mm²
Contact diameter Data contacts 1.5 mm	Nominal current per signal contact	8 A
	Contact diameter Data contacts	1.5 mm

Housing

Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	Pg13,5
Degree of protection (plugged in)	IP67
Thread type	M23

Seal



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External cable diameter	2 mm 14.5 mm
Seal material	NBR

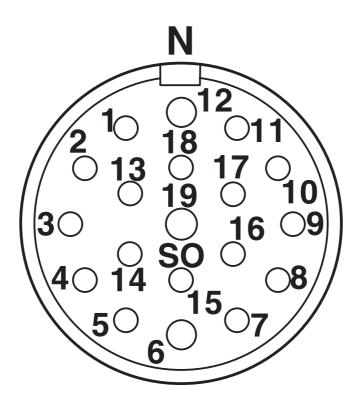


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Drawings

Schematic diagram



Connector pin assignment



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Classifications

UNSPSC 21.0

ECLASS

E	CLASS-11.0	27440102
E	CLASS-12.0	27440116
E	CLASS-13.0	27440116
ETIM		
E.	8.0 MIT	EC002635
UNSF	PSC	

39121400



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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	9b3f5bf4-79b5-46a1-a350-d72211adbca6



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Accessories

PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

https://www.phoenixcontact.com/pc/products/1577206



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

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