

1624802

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M23, Cable connector, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Counter direction, contact connection type: Socket, Solder cup, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245267

Commercial data

Item number	1624802
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356920186
Weight per piece (including packing)	81.95 g
Weight per piece (excluding packing)	78.36 g
Country of origin	DE



1624802

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Technical data

Product properties

Product type	Circular connector (cable-side)
Thread type	M23

Connector

Insulating body

Material (Contact) CuZn Material (Contact surface) Ni/Au Insertion/withdrawal cycles 50 Connection method Solder cup Contact switching type Socket Application Signal Number of positions 9 Direction of rotation Counter direction Connection profile 8+1 Number Contact (Contact group 1) 1 Diameter Contact (Contact group 1) 2 mm Litz wire cross-section min. Contact (Contact group 1) 2.5 mm² Rated current Contact (Contact group 1) 2.0 M (for max. connection cross section) Rated voltage Contact (Contact group 1) 48 V AC Query oltage 45 V V Overvoltage category III Number Contact (Contact group 2) 8 Number Contact (Contact group 2) 8 Diameter Contact (Contact group 2) 0.08 mm² Litz wire cross-section min. Contact (Contact group 2) 1 mm² Litz wire cross-section mix. Contact (Contact group 2) 0.08 mm² Litz wire cross-section mix. Contact (Contact group 2) 1 mm²	Coding	N
Material (Contact surface) Ni/Au Insertion/withdrawal cycles 50 Connection method Solder cup Contact switching type Socket Application Signal Number of positions 9 Direction of rotation Counter direction Connection profile 8+1 Number Contact (Contact group 1) 1 Diameter Contact (Contact group 1) 2 mm Litz wire cross-section min. Contact (Contact group 1) 2.5 mm² Rated current Contact (Contact group 1) 20 A (for max. connection cross section) Rated voltage Contact (Contact group 1) 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Number Contact (Contact group 2) 8 Diameter Contact (Contact group 2) 1 mm Litz wire cross-section min. Contact (Contact group 2) 0.08 mm² Litz wire cross-section max. Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated current Contact (Contact group 2) <	Material (Insulating body)	PBT
Insertion/withdrawal cycles Connection method Contact switching type Socket Application Number of positions Direction of rotation Connection profile 8+1 Number Contact (Contact group 1) Diameter Contact (Contact group 1) Litz wire cross-section max. Contact (Contact group 1) Rated current Contact (Contact group 1) Rated surge voltage Contact (Contact group 1) Rated surge voltage Overvoltage category Diameter Contact (Contact group 2) Rated surge voltage Litz wire cross-section max. Contact (Contact group 3) Rated current Contact (Contact group 4) Rated current Contact (Contact group 4) Rated current Contact (Contact group 1) Rated current Contact (Contact group 1) Rated current Contact (Contact group 1) Rated surge voltage 1.5 kV Overvoltage category Ill Degree of pollution 3 Number Contact (Contact group 2) 1 mm Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2)	Material (Contact)	CuZn
Connection method Solder cup Contact switching type Socket Application Signal Number of positions 9 Direction of rotation Counter direction Connection profile 8+1 Number Contact (Contact group 1) 1 Diameter Contact (Contact group 1) 2 mm Litz wire cross-section min. Contact (Contact group 1) 2.5 mm² Rated current Contact (Contact group 1) 20 A (for max. connection cross section) Rated voltage Contact (Contact group 1) 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Number Contact (Contact group 2) 1 mm Litz wire cross-section min. Contact (Contact group 2) 1 mm Litz wire cross-section min. Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated current Contact (Contact group 2) 48 V AC	Material (Contact surface)	Ni/Au
Contact switching type Socket Application Signal Number of positions 9 Direction of rotation Connection profile 8+1 Number Contact (Contact group 1) 1 Diameter Contact (Contact group 1) Litz wire cross-section min. Contact (Contact group 1) Rated current Contact (Contact group 1) Rated surge voltage Overvoltage category Ill Degree of pollution Number Contact (Contact group 2) Diameter Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 3) Rated surge voltage 1.5 kV Overvoltage category Ill Degree of pollution 3 Number Contact (Contact group 2) 1 mm Litz wire cross-section max. Contact (Contact group 2) 1 mm Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated current Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2)	Insertion/withdrawal cycles	50
Application Signal Number of positions 9 Direction of rotation Counter direction Connection profile 8+1 Number Contact (Contact group 1) 1 Diameter Contact (Contact group 1) 2 mm Litz wire cross-section min. Contact (Contact group 1) 2.5 mm² Rated current Contact (Contact group 1) 20 A (for max. connection cross section) Rated voltage Contact (Contact group 1) 48 V AC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Number Contact (Contact group 2) 8 Diameter Contact (Contact group 2) 1 mm Litz wire cross-section min. Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated current Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated current Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated current Contact (Contact group 2) 8 A Rated voltage Contact (Contact group 2) 48 V AC	Connection method	Solder cup
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Litz wire cross-section max. Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Number Contact (Contact group 2) Diameter Contact (Contact group 2) Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2)	Diameter Contact (Contact group 1)	2 mm
Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Number Contact (Contact group 2) Diameter Contact (Contact group 2) Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated current Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2) 48 V AC	Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Rated voltage Contact (Contact group 1) Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Number Contact (Contact group 2) Diameter Contact (Contact group 2) Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2) Rated voltage Contact (Contact group 2) 48 V AC	Litz wire cross-section max. Contact (Contact group 1)	2.5 mm ²
Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Number Contact (Contact group 2) Diameter Contact (Contact group 2) Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2) Rated voltage Contact (Contact group 2) 48 V AC	Rated current Contact (Contact group 1)	20 A (for max. connection cross section)
Rated surge voltage Overvoltage category III Degree of pollution 3 Number Contact (Contact group 2) Diameter Contact (Contact group 2) Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2) Rated voltage Contact (Contact group 2) 48 V AC	Rated voltage Contact (Contact group 1)	48 V AC
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Degree of pollution 3 Number Contact (Contact group 2) 8 Diameter Contact (Contact group 2) 1 mm Litz wire cross-section min. Contact (Contact group 2) 0.08 mm² Litz wire cross-section max. Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated voltage Contact (Contact group 2) 48 V AC	Rated surge voltage	1.5 kV
Number Contact (Contact group 2) Diameter Contact (Contact group 2) Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2) 48 V AC	Overvoltage category	III
Diameter Contact (Contact group 2) 1 mm Litz wire cross-section min. Contact (Contact group 2) 0.08 mm² Litz wire cross-section max. Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated voltage Contact (Contact group 2) 48 V AC	Degree of pollution	3
Litz wire cross-section min. Contact (Contact group 2) Litz wire cross-section max. Contact (Contact group 2) Rated current Contact (Contact group 2) Rated voltage Contact (Contact group 2) 48 V AC	Number Contact (Contact group 2)	8
Litz wire cross-section max. Contact (Contact group 2) 1 mm² Rated current Contact (Contact group 2) 8 A Rated voltage Contact (Contact group 2) 48 V AC	Diameter Contact (Contact group 2)	1 mm
Rated current Contact (Contact group 2) 8 A Rated voltage Contact (Contact group 2) 48 V AC	Litz wire cross-section min. Contact (Contact group 2)	0.08 mm²
Rated voltage Contact (Contact group 2) 48 V AC	Litz wire cross-section max. Contact (Contact group 2)	1 mm²
	Rated current Contact (Contact group 2)	8 A
48 V AC	Rated voltage Contact (Contact group 2)	48 V AC
		48 V AC

Housing

3	
Туре	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	Pg11



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Mounting type	Screw mounting (Pg11)
Material (Housing)	Metal
Degree of protection (plugged in)	IP65
	IP67

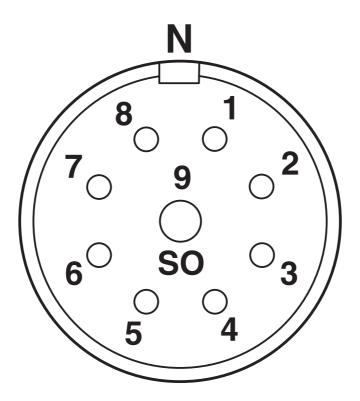


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Drawings

Schematic diagram



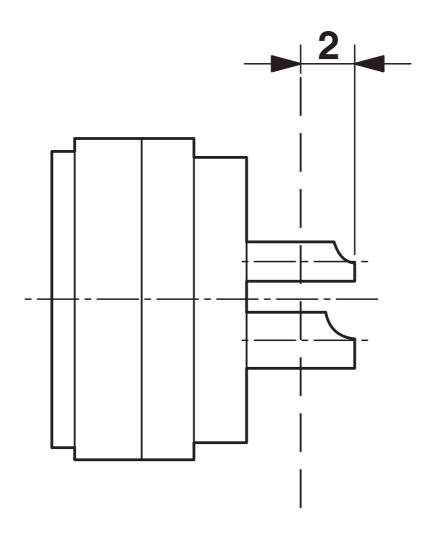
Connector pin assignment



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Schematic diagram



Dimensional drawing



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Classifications

	ECLASS-13.0	27371392
E	ГІМ	
	ETIM 9.0	EC002498
UI	NSPSC	
	UNSPSC 21.0	39121100



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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	b56d1096-271d-4f5e-aea8-04e01a4ddafc

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