

RC-06P1N1223VV - Device connector front mounting



1628138

<https://www.phoenixcontact.com/us/products/1628138>

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Device connector front mounting, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Solder cup, coding: N, this item is expected to be lead-free from Q3 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1628138
Packing unit	40 pc
Minimum order quantity	40 pc
Product key	ABRAFW
GTIN	4055626386133
Weight per piece (including packing)	32.3 g
Weight per piece (excluding packing)	30.086 g
Country of origin	DE

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Technical data

Product properties

Product type	Circular connectors (device side)
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Material specifications

Flammability rating according to UL 94	V0
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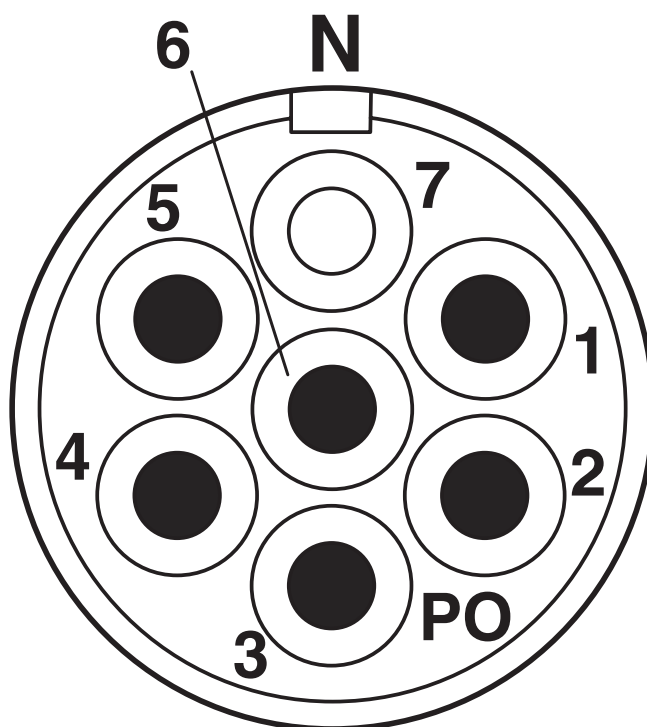
Connector

Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Pin
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Number Contact (Contact group 1)	6
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Litz wire cross-section max. Contact (Contact group 1)	2.5 mm ²
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

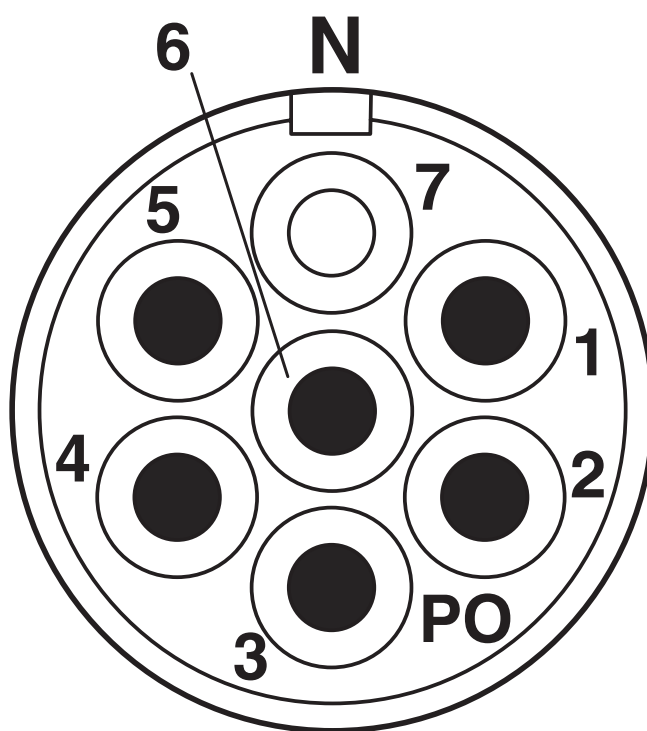
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram

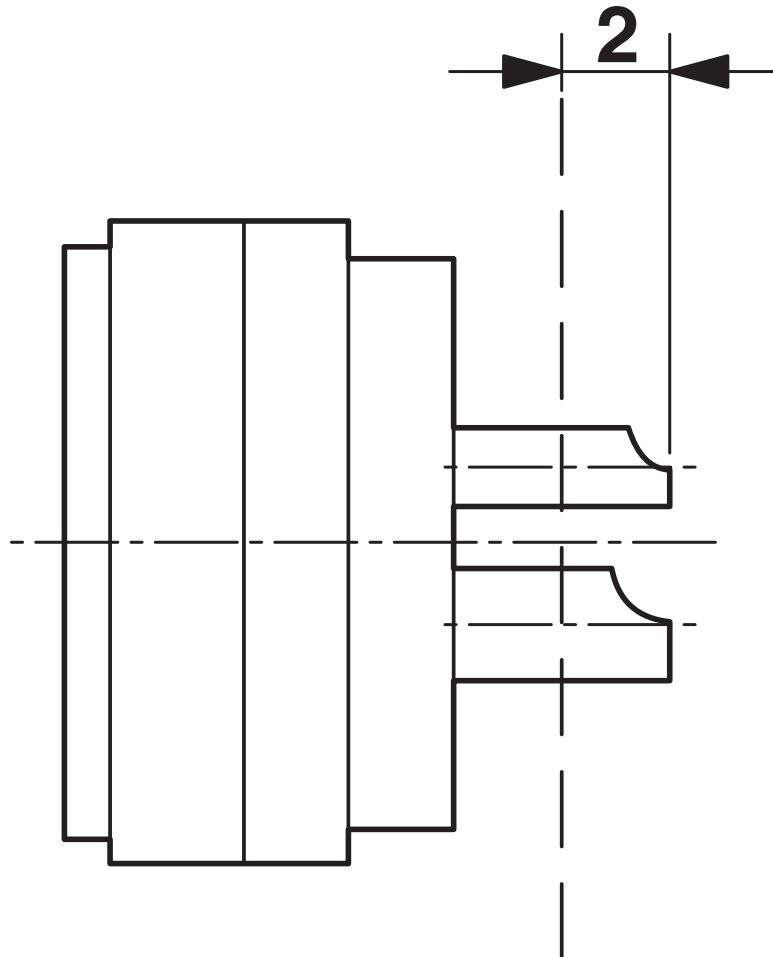


Connector pin assignment

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Schematic diagram



Dimensional drawing

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Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
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UNSPSC

UNSPSC 21.0	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: n/a)
SCIP	6e970b7a-b19a-4392-8de5-4ef037ba8307

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