CA-19P1N1280DN - Cable connector



1619751

https://www.phoenixcontact.com/in/products/1619751

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



M23, Cable connector, CA, straight, shielded: yes, Screw locking, No. of pos.: 16+3, Direction of rotation: Standard, type of contact: Pin, Solder connection, cable diameter range: 3 mm ... 14.5 mm, coding:N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243803

Your advantages

- · Safe use in the field, thanks to high degree of protection
- · Connector for flexible on-site assembly
- · Consistent EMC protection for reliable transmission of signals
- Solder connection: proven connection technology for various litz wires

Commercial Data

Item number	1619751
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABR
Product Key	ABRBFA
Catalog Page	Page 87 (C-2-2019)
GTIN	4046356821667
Weight per Piece (including packing)	97.8 g
Weight per Piece (excluding packing)	95.2 g
Customs tariff number	85366990
Country of origin	DE

CA-19P1N1280DN - Cable connector



https://www.phoenixcontact.com/in/products/1619751



Technical Data

Product properties

Product type	Circular connector (cable-side)

Connector

Insulating body

Insulation body material	Coding	N
Contact surface material Ni/Au Insertion/withdrawal cycles 100 Connection method Solder connection Contact type Pin 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 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 mm² Litz wire cross-section Signal contacts 1 mm² Nominal current per signal contact 8 A	Insulation body material	PA 6.6
Insertion/withdrawal cycles 100 Connection method Solder connection Contact type Pin 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 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 1 mm² Nominal current per signal contact 8 A	Contact material	CuZn
Connection method Contact type Application Signal Number of positions 19 Direction of rotation Connection profile Contact diameter Power contacts Litz wire cross-section Power contacts Rated current Power contacts 1.5 mm 10 A Rated surge voltage At V DC Rated surge voltage Overvoltage category Ull Degree of pollution 3 Contact diameter Signal contacts max. 1 mm² Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Contact surface material	Ni/Au
Contact type Pin 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 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 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 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 max. 1 mm² Litz wire cross-section Signal contacts max. 1 mm² Litz wire cross-section Signal contacts max. 1 mm²	Connection method	Solder connection
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 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 max. 1 mm² Nominal current per signal contact 8 A	Contact type	Pin
Direction of rotation Standard Connection profile 16+3 Contact diameter Power contacts 1.5 mm 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 max. 1 mm² Nominal current per signal contact 8 A	Application	Signal
Connection profile Contact diameter Power contacts Litz wire cross-section Power contacts max. Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Contact diameter Signal contacts 1 mm² Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Number of positions	19
Contact diameter Power contacts Litz wire cross-section Power contacts max. Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category Degree of pollution Contact diameter Signal contacts Litz wire cross-section Signal contacts max. Nominal current per signal contact 1 mm 1 mm² 8 A	Direction of rotation	Standard
Litz wire cross-section Power contacts max. Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category Degree of pollution Contact diameter Signal contacts Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Connection profile	16+3
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 contact Nominal current per signal contact 10 A 48 V AC 74 V DC III 1 mm 1 mm 2 Nominal current per signal contact 8 A	Contact diameter Power contacts	1.5 mm
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 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 max. Nominal current per signal contact 8 A	Rated current Power contacts	10 A
Rated surge voltage Overvoltage category III Degree of pollution Contact diameter Signal contacts 1 mm 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 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 max. 1 mm² Nominal current per signal contact 8 A	Rated surge voltage	1.5 kV
Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Overvoltage category	III
Litz wire cross-section Signal contacts max. Nominal current per signal contact 8 A	Degree of pollution	3
Nominal current per signal contact 8 A	Contact diameter Signal contacts	1 mm
	Litz wire cross-section Signal contacts max.	1 mm²
Installation height 2000 m	Nominal current per signal contact	8 A
	Installation height	2000 m

Housing

Tiodoling	
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

External cable diameter	3 mm 14.5 mm
Seal material	NBR

CA-19P1N1280DN - Cable connector



1619751

https://www.phoenixcontact.com/in/products/1619751

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

Phoenix Contact 2023 © - all rights reserved https://www.phoenixcontact.com

PHOENIX CONTACT (I) Pvt. Ltd. A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420 info@phoenixcontact.co.in