

1607543

https://www.phoenixcontact.com/us/products/1607543

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Device connector front mounting with knurled nut, angled fixed, Screw locking mechanism, M40, number of positions: 4+3+PE, contact connection type: Socket, Axial O-ring, 4x Ø4,2, shielded: yes, flange dimensions: 40 mm x 40 mm, degree of protection: IP67, number of positions: 8, connection method: Crimp connection, series: SM

### Commercial data

Item number	1607543
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB32
Product key	ABRBGO
Catalog page	Page 167 (C-2-2019)
GTIN	4046356271578
Weight per piece (including packing)	547.5 g
Weight per piece (excluding packing)	547.5 g
Customs tariff number	85366990
Country of origin	DE



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### Technical data

#### Notes

General	Order crimp contacts 4 x Ø 2 mm, 4 x Ø 3.6 mm separately
afety note	
Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	<ul> <li>WARNING: Commission properly functioning products only.</li> <li>The products must be regularly inspected for damage.</li> <li>Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> </ul>
	<ul> <li>WARNING: Only electrically qualified personnel may install an operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.</li> </ul>
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	Assembled products may not be manipulated or improperly opened.
	<ul> <li>Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).</li> </ul>
	<ul> <li>When using the product in direct connection with third-party manufacturers, the user is responsible.</li> </ul>
	<ul> <li>For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> </ul>
	Ensure that the protective or functional ground has been properly connected.
	VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1. are applicable when combining several circuits in a cable and/c connector
	Only use tools recommended by Phoenix Contact
	<ul> <li>The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.</li> </ul>
	<ul> <li>Operate the connector only when it is fully plugged in and interlocked.</li> </ul>
	<ul> <li>Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li> </ul>
	Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	The connector warms up in normal operation. Depending on t



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	ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
ounting	
Mounting	4x Ø4,2
roduct properties	
Product type	Circular connectors (device side)
Number of positions	8
Connection profile	4+3+PE
Application	Power
Series	SM
Shielded	yes
Coding	N
Thread type	M40
imensions Housing	
Flange dimensions	40 mm x 40 mm
aterial specifications	
Seal material	EDM
SSG. Material	FPM
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) PA 6.6
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub>	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category  Degree of pollution	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III  3
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category  Degree of pollution	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III  3
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category  Degree of pollution  Rated surge voltage	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III  3
Housing material  Insulator material  Gasket and O-ring material  Pectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category  Degree of pollution  Rated surge voltage  Contact	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III  3  6 kV
Insulator material Gasket and O-ring material  lectrical properties  Contact Contact diameter Max. current Nominal voltage U <sub>N</sub> Overvoltage category Degree of pollution Rated surge voltage  Contact Contact diameter	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III  3  6 kV
Housing material  Insulator material  Gasket and O-ring material  Dectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category  Degree of pollution  Rated surge voltage  Contact  Contact diameter  Max. current	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III  3  6 kV
Housing material  Insulator material  Gasket and O-ring material  lectrical properties  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub> Overvoltage category  Degree of pollution  Rated surge voltage  Contact  Contact diameter  Max. current  Nominal voltage U <sub>N</sub>	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  PA 6.6  FPM  3.6 mm  70 A  630 V  III  3 6 kV  2 mm  30 A  250 V



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#### Connection data

#### Conductor connection

Connection method	Crimp connection
Contact connection type	Socket

#### Connector

Туре	angled fixed
Connection 1	
Head design	Socket

#### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C 125 °C
Altitude	3000 m



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### Classifications

UNSPSC 21.0

#### **ECLASS**

27440102	
27440116	
27440116	
EC002635	
UNSPSC	

39121400



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### Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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