

1341929

https://www.phoenixcontact.com/us/products/1341929

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, Device connector front mounting, series: M23 PRO Signal, angled rotatable, for standard and ONECLICK fast locking system, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, flange dimensions: 26 mm x 26 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

Your advantages

- · Solutions with cross-manufacturer compatibility for standard and fast locking systems
- · Modern, consistent design for highly convenient operation
- · Crimping connection: vibration- and temperature-resistant assembly
- · All housing can be fitted with pin or socket contacts
- · Safe use in the field, thanks to high degree of protection

Commercial data

Item number	1341929
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB34
Product key	ABRABM
GTIN	4063151651428
Weight per piece (including packing)	100.76 g
Weight per piece (excluding packing)	100.76 g
Customs tariff number	85366990
Country of origin	DE



1341929

https://www.phoenixcontact.com/us/products/1341929

Technical data

Notes

General	Order 7 x Ø 2 mm crimp contacts separately
General	Please observe the derating curve.
Safety 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.
	 WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of 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.
	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.
	 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).
	When using the product in direct connection with third-party manufacturers, the user is responsible.
	 For operating voltages > 50 V AC, conductive connector housings must be grounded
	 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 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
	Only use tools recommended by Phoenix Contact
	 The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	 Operate the connector only when it is fully plugged in and interlocked.
	 Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	 The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to



1341929

https://www.phoenixcontact.com/us/products/1341929

Product type Circular connectors (device side) terrial specifications Flammability rating according to UL 94 V0 nnector nsulating body Note Order information: Order crimp contacts Ø 2 mm separate Coding N Connection method Corring connection Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Connection profile 7 Contact diameter Power contacts Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Bourse of pollution 3 Housing material GD-Zn Flange dimensions Type of looking Pg screw connection Degree of protection (plugged in) Thread type Vironmental and real-life conditions Vanibient conditions Degree of protection P68 Ambient temperature (operation) Fle8 Arbient temperature (operation) P0 V0 Contact diameter Power contacts P0 P1 P2 P3 P4 P5 P5 P68 P68 P68 P68 P68 P68		
Antient type Circular connectors (device side) Circular connectors (device side) Application subtaining body Note Order information: Order crimp contacts Ø 2 mm separate Coding N Connection method Crimp connection Contact switching type Application Signal Number of positions 7 Direction of rotation Connection profile 7 Contact diameter Power contacts Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Degree of protection (plugged in) Thread type M23 Antient temperature (operation) Cented in a conditions Pegere of protection Degree of protection Degree of protection Degree of protection Degree of protection PB8 Antient temperature (operation) PG **C : 105 **C (see to derating)		
Asterial specifications Flammability rating according to UL 94 V0 Annector Insulating body Note Order information: Order crimp contacts Ø 2 mm separate Coding N Connection method Crimp connection Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Connection profile 7 Contact diameter Power contacts Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Housing Housing material Flange dimensions 7 GD-Zn Flange dimensions 1 GD-Zn Plange dimensions 1 GD-Zn Plange dimensions 1 GD-Zn Plange of protection (plugged in) 1 P66 / IP68 (2 m / 24 h) Thread type vironmental and real-life conditions Antibient conditions Degree of protection Plage of Pl	roduct properties	
Flammability rating according to UL 94 Vinnector Insulating body Note Coding N Connection method Contact witching type Application Number of positions Direction of rotation Contact diameter Power contacts Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category Degree of pollution Housing material Flange dimensions Type of locking Pg screw connection Degree of protection (plugged in) Thread type Ambient conditions Conger of protection Degree of protection Ambient conditions Degree of protection Degree of protection Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation) PG 9 Viron Market (operation) PG 8 Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation)	Product type	Circular connectors (device side)
Flammability rating according to UL 94 Vinnector Insulating body Note Coding N Connection method Contact witching type Application Number of positions Direction of rotation Contact diameter Power contacts Rated current Power contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category Degree of pollution Housing material Flange dimensions Type of locking Pg screw connection Degree of protection (plugged in) Thread type Ambient conditions Conger of protection Degree of protection Ambient conditions Degree of protection Degree of protection Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation) PG 9 Viron Market (operation) PG 8 Ambient temperature (operation) Viron Market (operation) PG 8 Ambient temperature (operation)	aterial specifications	
Insulating body Note Order information: Order crimp contacts Ø 2 mm separate Coding N Connection method Crimp connection Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power Contacts 2 mm Rated current Power Contacts Rated voltage 48 V AC 74 V DC Rated surge voltage 1,5 kV Overvoltage category III Degree of pollution 3 Housing material GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Ambient conditions Degree of protection IP68 Ambient conditions Degree of protection IP68 Ambient conditions Degree of protection IP68 Ambient temperature (operation) 40 °C 105 °C (see to derating)		V0
Note Order information: Order crimp contacts Ø 2 mm separate Coding N Connection method Crimp connection Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power contacts Rated current Power contacts 20 A Rated surge voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing Housing Merial GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type Ambient conditions Degree of protection Pg Serve condection IP68 Ambient conditions Degree of protection (Protection (Protection) IP68 Ambient conditions		
Note Order information: Order crimp contacts Ø 2 mm separate Coding N Connection method Crimp connection Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power contacts 2 mm Rated current Power contacts 20 A Rated voltage 48 ∨ AC 74 ∨ DC Rated surge voltage category III Degree of pollution 3 Housing GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Arbient conditions IP68 Ambient temperature (operation) 40 °C 105 °C (see to derating)	onnector	
Coding N Connection method Crimp connection Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power contacts 2 mm Rated current Power contacts 20 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Arbient conditions Degree of protection IP68 Ambient temperature (operation) 40 °C 105 °C (see to derating)	Insulating body	
Connection method Crimp connection Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power contacts 2 mm Rated current Power contacts 20 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing Housing material GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Arbient conditions Degree of protection IP68 Ambient temperature (operation) -40 °C 105 °C (see to derating)	Note	Order information: Order crimp contacts Ø 2 mm separately
Contact switching type Socket Application Signal Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power contacts 2 mm Rated current Power contacts 20 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Arbient conditions IP68 Ambient temperature (operation) 40 °C 105 °C (see to derating)	Coding	N
Application Signal Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power contacts 2 mm Rated current Power contacts 20 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Ambient conditions Degree of protection IP68 Ambient temperature (operation) 40 °C 105 °C (see to derating)	Connection method	Crimp connection
Number of positions 7 Direction of rotation Standard Connection profile 7 Contact diameter Power contacts 2 mm Rated current Power contacts 20 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing Housing material GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Ambient conditions IP68 Ambient temperature (operation) 40 °C 105 °C (see to derating)	Contact switching type	Socket
Direction of rotation Connection profile Contact diameter Power contacts Rated current Power contacts Rated voltage Ask V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Housing material Flange dimensions Type of locking Pg screw connection Degree of protection (plugged in) Thread type Ambient conditions Degree of protection Degree of protection Ambient temperature (operation) Standard 7 7 7 7 7 7 7 7 7 7 7 7 7	Application	Signal
Connection profile 7 Contact diameter Power contacts 2 mm Rated current Power contacts 20 A Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Ambient conditions Degree of protection IP68 Ambient temperature (operation) -40 °C 105 °C (see to derating)	Number of positions	7
Contact diameter Power contacts Rated current Power contacts Rated voltage Als V AC 74 V DC Rated surge voltage Overvoltage category III Degree of pollution Housing Housing material Flange dimensions Type of locking Pg screw connection Degree of protection (plugged in) Thread type Macan Ambient conditions Degree of protection Ambient temperature (operation) 20 A 48 V AC 74 V DC 74 V DC 1.5 kV 00-20 1.5 kV 00-20 1.6 kV 00-20 1.7 kV 00-20 1.7 kV 00-20 1.8 kV 00-20 1.9 cm x 26 mm 1.0 cm x	Direction of rotation	Standard
Rated current Power contacts Rated voltage Rated surge voltage Autoriage Rated surge voltage Overvoltage category III Degree of pollution Briange dimensions Type of locking Pg screw connection Degree of protection (plugged in) Thread type Ambient conditions Pg serve voltage contacts 20 A 8 V AC 74 V DC 1.5 kV 0.0 V C 105 °C (see to derating)	Connection profile	7
Rated voltage Rated voltage 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing Housing material GD-Zn Flange dimensions 26 mm x 26 mm Type of locking Pg screw connection none Degree of protection (plugged in) Thread type M23 Ambient conditions Degree of protection Ambient temperature (operation) 48 V AC 74 V DC 74 V DC 74 V DC 74 V DC 75 kV 76 V DC 76 V DC 76 V DC 76 V DC 77 V DC 78 V D	Contact diameter Power contacts	2 mm
Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution 3 Housing Housing material Flange dimensions Type of locking Pg screw connection Degree of protection (plugged in) Thread type Ambient conditions Degree of protection Degree of protection Degree of protection Ple8 Ambient temperature (operation) 1.5 kV CD-Zn GD-Zn GD-Zn Flange dimensions 26 mm x 26 mm for standard and ONECLICK fast locking system none 1P66 / IP68 (2 m / 24 h) M23 Ple8 Ambient conditions Degree of protection IP68 Ambient temperature (operation) -40 °C 105 °C (see to derating)	Rated current Power contacts	20 A
Rated surge voltage Overvoltage category Degree of pollution Housing Housing material Flange dimensions Type of locking Pg screw connection Degree of protection (plugged in) Thread type Ambient conditions Pgeree of protection Degree of protection Degree of protection Pg screw conditions Pg screw conditions Pg screw conditions Ambient conditions Degree of protection Degree of protection Pg screw conditions	Rated voltage	48 V AC
Overvoltage category Degree of pollution Housing Housing material GD-Zn Flange dimensions 26 mm x 26 mm Type of locking Flore connection None Degree of protection (plugged in) Thread type Ambient conditions Degree of protection Pegree of		74 V DC
Housing Housing material Housing material GD-Zn Flange dimensions 26 mm x 26 mm Type of locking Pg screw connection none Degree of protection (plugged in) Thread type M23 Ambient conditions Degree of protection Pg serew conditions Ambient temperature (operation) 1968 Ambient temperature (operation) 3 GD-Zn	Rated surge voltage	1.5 kV
Housing material GD-Zn Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Ambient conditions Degree of protection IP68 Ambient temperature (operation) IP68 Ambient temperature (operation) -40 °C 105 °C (see to derating)	Overvoltage category	III
Housing material Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system Pg screw connection Degree of protection (plugged in) Thread type M23 Ambient conditions Degree of protection Degree of protection IP68 Ambient temperature (operation) GD-Zn GD-Zn GD-Zn GD-Zn GD-Zn For x 26 mm NAM NONECLICK fast locking system NONECLICK fast locking system NONE NONE IP66 / IP68 (2 m / 24 h) M23 IP68 Ambient temperature (operation) IP68 -40 °C 105 °C (see to derating)	Degree of pollution	3
Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system none Degree of protection (plugged in) Thread type M23 Ambient conditions Degree of protection Degree of protection IP68 Ambient temperature (operation) 26 mm x 26 mm Ambient x 26 mm Amb	Housing	
Flange dimensions 26 mm x 26 mm Type of locking for standard and ONECLICK fast locking system none Degree of protection (plugged in) Thread type M23 Ambient conditions Degree of protection Degree of protection IP68 Ambient temperature (operation) 26 mm x 26 mm Ambient x 26 mm Amb	Housing material	GD-Zn
Type of locking for standard and ONECLICK fast locking system Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Ambient conditions Degree of protection IP68 Ambient temperature (operation) IP68 -40 °C 105 °C (see to derating)		
Pg screw connection none Degree of protection (plugged in) IP66 / IP68 (2 m / 24 h) Thread type M23 Experimental and real-life conditions Ambient conditions Degree of protection IP68 Ambient temperature (operation) -40 °C 105 °C (see to derating)		for standard and ONECLICK fast locking system
Degree of protection (plugged in) Thread type M23 Ambient conditions Degree of protection IP66 / IP68 (2 m / 24 h) M23 Point conditions IP68 Ambient temperature (operation) IP68 -40 °C 105 °C (see to derating)		none
Ambient conditions Degree of protection Ambient temperature (operation) P68 -40 °C 105 °C (see to derating)	Degree of protection (plugged in)	IP66 / IP68 (2 m / 24 h)
Ambient conditions Degree of protection Ambient temperature (operation) P68 -40 °C 105 °C (see to derating)	Thread type	M23
Degree of protection IP68 Ambient temperature (operation) -40 °C 10	Pg screw connection Degree of protection (plugged in)	none IP66 / IP68
Degree of protection IP68 Ambient temperature (operation) -40 °C 105 °C (see to derating)	Ambient conditions	
Ambient temperature (operation) -40 °C 105 °C (see to derating)		IP68
	Permanent temperature	125 °C (DIN EN 60512-9-2 / 1000 h)

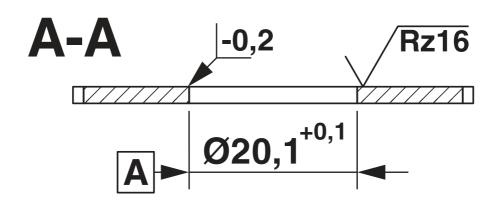


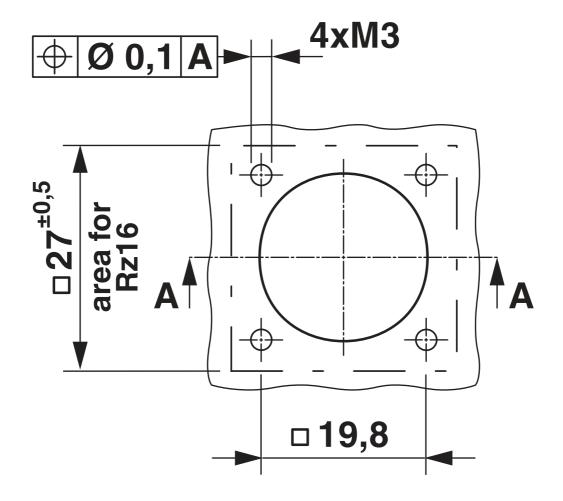
1341929

https://www.phoenixcontact.com/us/products/1341929

Drawings

Dimensional drawing



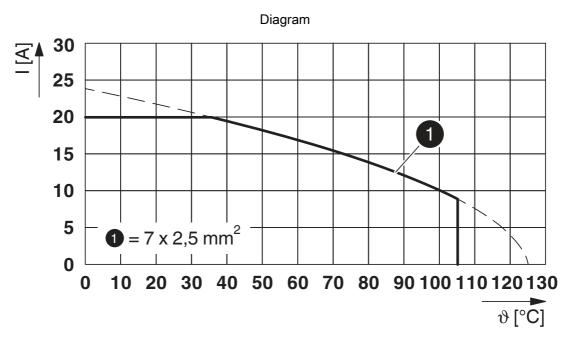


Installation dimensions



1341929

https://www.phoenixcontact.com/us/products/1341929



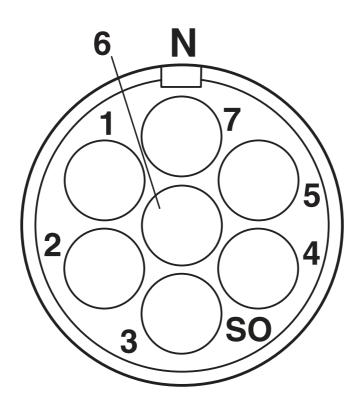
I = current strength, ϑ = ambient temperature, 7x 20 A



1341929

https://www.phoenixcontact.com/us/products/1341929

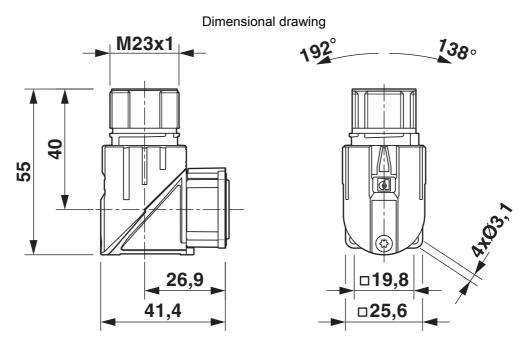
Schematic diagram





1341929

https://www.phoenixcontact.com/us/products/1341929



Technical drawings can be found under Downloads



1341929

https://www.phoenixcontact.com/us/products/1341929

Classifications

ECLASS

UNSPSC 21.0

	ECLASS-11.0	27440109	
	ECLASS-12.0	27440109	
	ECLASS-13.0	27440109	
ETIM			
	ETIM 8.0	EC003569	
UN	SPSC		

39121400



1341929

https://www.phoenixcontact.com/us/products/1341929

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



1341929

https://www.phoenixcontact.com/us/products/1341929

Accessories

M23-Z0001 - Screw

1035117

https://www.phoenixcontact.com/us/products/1035117



Anchor screw, self-tapping, for M23-PRO series angled device connectors

RC-5SS2000 - Crimp contact

1603530

https://www.phoenixcontact.com/us/products/1603530



Crimp contact, Socket, turned, contact diameter: 2 mm, crimp range: $0.5~\text{mm}^2$... $0.75~\text{mm}^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241633



1341929

https://www.phoenixcontact.com/us/products/1341929

RC-59S2000 - Crimp contact

1603501

https://www.phoenixcontact.com/us/products/1603501



Crimp contact, Socket, turned, Single contact, contact diameter: 2 mm, crimp range: $0.75~\text{mm}^2$... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241633

RC-5CS2000 - Crimp contact

1603517

https://www.phoenixcontact.com/us/products/1603517



Crimp contact, Socket, turned, contact diameter: 2 mm, crimp range: 1 mm 2 ... 1. 5 mm 2 , Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241635



1341929

https://www.phoenixcontact.com/us/products/1341929

RC-5AS2000 - Crimp contact

1603509

https://www.phoenixcontact.com/us/products/1603509



Crimp contact, Socket, turned, contact diameter: 2 mm, crimp range: $1.5~\text{mm}^2$... $2.5~\text{mm}^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241635

PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

https://www.phoenixcontact.com/us/products/1055753



Plastic protective cap, M23, degree of protection: IP20, series: M23 PRO



1341929

https://www.phoenixcontact.com/us/products/1341929

PROT-M23PRO-OT-IP67 - Plastic protective cap

1055749

https://www.phoenixcontact.com/us/products/1055749



Plastic protective cap, M23, degree of protection: IP67, series: M23 PRO Signal

M23PRO-VIB-ORING-OR - Sealing ring

1521137

https://www.phoenixcontact.com/us/products/1521137

Vibration O-ring, optional accessory for M23 PRO device connectors





1341929

https://www.phoenixcontact.com/us/products/1341929

M23PRO-VIB-ORING-GN - Sealing ring

1521138

https://www.phoenixcontact.com/us/products/1521138

Vibration O-ring, optional accessory for M23 PRO device connectors



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

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com