

1151390

https://www.phoenixcontact.com/au/products/1151390

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.



Power connector, Power, 5-position, unshielded, Socket straight M12, coding: L, Push-lock spring connection, knurl material: Brass, nickel-plated, external cable diameter 8 mm ... 13 mm, Contact 5 leading

Your advantages

- Time-saving Push-Lock connection: Tool-free connection and disconnection of conductors by opening the contact levers
- · Intuitive connection: Easy assignment of individual litz wires with color-coded and numerical identification of the contact levers
- · Integrated Push-in Technology: Wire rigid and pretreated conductors easily by means of simple, direct insertion
- Shock- and vibration-resistant connection: Proven spring-cage technology guarantees secure and reliable contacting

Commercial data

Item number	1151390
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF2CEP
Product key	AF2CEP
GTIN	4063151149352
Weight per piece (including packing)	90.7 g
Weight per piece (excluding packing)	90.7 g
Customs tariff number	85366990
Country of origin	DE



1151390

https://www.phoenixcontact.com/au/products/1151390

Technical data

Notes

Assembly note	NOTE: Observe the permissible bending radii when routing
	cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Mounting

Assembly note	The wires can be connected both with ferrules and without
	ferrules

Product properties

Product type	Circular connector (cable-side)
Application	Power supply
Sensor type	Power
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	L
Cable outlet	straight
In culation also are storistics	
Insulation characteristics	
Overvoltage category	III

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	21 L
Width	23 mm
Height	23 mm
Length	69 mm
External dimensions	
Outside diameter	8 mm 13 mm
Housing	
Diameter housing	23 mm

Material specifications

Material	PA 6 (Actuation lever)
Flammability rating according to UL 94	V0
Material of grip body	Brass, nickel-plated



1151390

https://www.phoenixcontact.com/au/products/1151390

Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Brass, nickel-plated

Connection data

Conductor connection

Connection method	Push-lock spring connection
Connection cross section	1.5 mm² 2.5 mm²
	0.75 mm ² 2.5 mm ² (with ferrule)
	1.5 mm ² 1.5 mm ² (solid)
Connection cross section AWG	16 14 (without ferrule)
	18 14 (with ferrule)
Stripping length of the individual wire	10 mm
Tightening torque	0.6 Nm (M12 knurl)
	5 Nm (Pressure nut with connector housing)

Pin assignment

Contact Color (signal designation) Contact (optional)	1 = BN
	2 = WH
	3 = BU
	4 = BK
	FE = GYPK

Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage U _N	63 V DC
Nominal current I _N	16 A (when using 2.5 mm² conductors)
	16 A (at 40 °C)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	L

Cable/line

Signal type/category	Power
Stripping length of the individual wire	10 mm



1151390

https://www.phoenixcontact.com/au/products/1151390

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation) (male connector/female connector)	-40 °C 85 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C 50 °C (Plug / socket)

Standards and regulations

Standard designation	M12 connector
Standards/specifications	according to IEC 61076-2-111

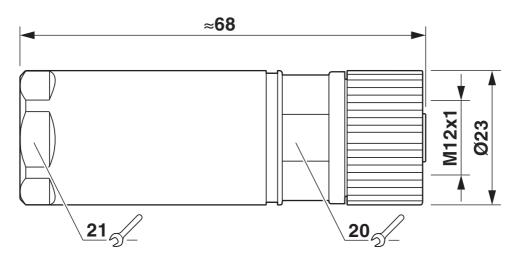


1151390

https://www.phoenixcontact.com/au/products/1151390

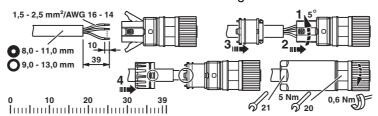
Drawings

Dimensional drawing



M12 x 1 socket, straight

Functional drawing

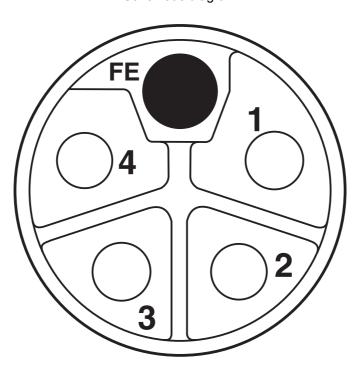




1151390

https://www.phoenixcontact.com/au/products/1151390





Pin assignment of M12 socket, 5-pos., L-coded, socket side view



1151390

https://www.phoenixcontact.com/au/products/1151390

Classifications

	1 400	
ヒし	LASS	

	ECLASS-13.0	27440116
ETIM		
	ETIM 9.0	EC002635
UNSPSC		
	UNSPSC 21.0	39121400



1151390

https://www.phoenixcontact.com/au/products/1151390

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2025 @ - all rights reserved https://www.phoenixcontact.com

PHOENIX CONTACT PTY Ltd Unit 7, 2-8 South Street Rydalmere NSW 2116 1300 786 411 customerservice@phoenixcontact.com.au