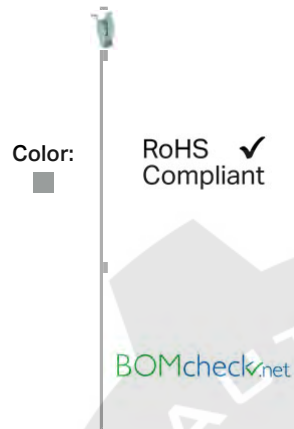


Data sheet | Item number: 2020-103/142-000

1-conductor female plug; Strain relief plate; 1.5 mm²; 3-pole

2020-103/142-000



Item description

According to EN 61984, pluggable connectors without current interrupting capacity shall not be mated and unmated when live or under load.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated current	13.5 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	15 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Open Tool Slot Push-in

Connectable conductor materials	Copper
Nominal cross section	1 mm ²
Solid conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Solid conductor, push-in termination	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Type of wiring	Front-entry wiring

Geometrical Data

Width	11.2 mm / 0.441 inch
Height	56.5 mm / 2.224 inch
Depth	27.2 mm / 1.071 inch
Module width	3.5 mm / 0.138 inch

Mechanical data

Marking level	Side marking
---------------	--------------

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductors

Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Fire load	0.145 MJ
Weight	7.6 g

Commercial data

Product Group	18 (X-COM-System)
Country of origin	DE
GTIN	4050821092544
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7617

	CSA DEKRA Certification B.V.	C22.2 No. 158	2516073
--	--	---------------	---------

	CSA DEKRA Certification B.V.	C22.2 No. 158	2516073
--	--	---------------	---------

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172

	UL Underwriters Laboratories Inc.	UL 1059	E45172
--	---	---------	--------

Compatible products

Protective Warning Marker

	Item no.: 2000-115 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks	2000-115
--	--	----------

ferrule

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-241
---	---	---------

	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-242
---	--	---------

	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-243
---	---	---------

tools

Item no.: 210-647



Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short

210-647

**Item no.: 210-648**

Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled

210-648

**Item no.: 210-719**

Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

210-719

Marking accessories**Item no.: 2009-110**

Marking strips; on reel; not stretchable; plain; snap-on type

2009-110

**Item no.: 2009-113**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

**Item no.: 2009-113/000-002**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-002

**Item no.: 2009-113/000-005**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-005

**Item no.: 2009-113/000-006**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-006

**Item no.: 2009-113/000-007**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-007

**Item no.: 2009-113/000-012**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-012

**Item no.: 2009-113/000-017**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-017

**Item no.: 2009-113/000-023**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-023

**Item no.: 2009-113/000-024**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-024

**Item no.: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive

210-831

**Item no.: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive

210-832

**Item no.: 210-833**

Marking strips; on reel; 6 mm wide; plain; Self-adhesive

210-833

**Item no.: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive

210-834



Item no.: 793-3501
WMB marking card; as card; plain; snap-on type

793-3501

Downloads
Documentation
Bid Text

2020-103/142-000	docx 15.6 kB	Download
------------------	-----------------	----------

Additional Information	pdf 2.1 MB	Download
------------------------	---------------	----------

CAD/CAE - Smart Data
CAD data

3D Download 2020-103/142-000	URL	Download
------------------------------	-----	----------

Product family

X-COM S-Mini
Show all products from the family

Subject to changes.