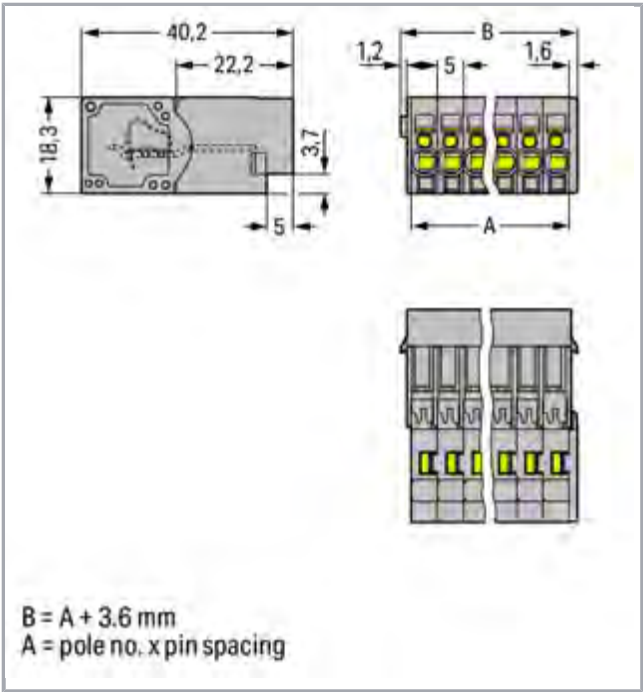


Data sheet | Item number: 769-612
1-conductor male connector; 4 mm²; Pin spacing 5 mm; 12-pole; 4,00 mm²;
gray



Data
Electrical data

Ratings per IEC/EN 60664-1

Nominal voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV
Rated current	32 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper

Subject to changes. Please also observe the further product documentation!



Nominal cross-section	4 mm²
Solid conductor	0.08 ... 4 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Pole No.	12
Total number of connection points	12
Total number of potentials	12
Wiring type	Front-entry wiring

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	63.6 mm / 2.504 inch
Height	18.3 mm / 0.72 inch
Depth	40.2 mm / 1.583 inch

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor

Material Data

Color	gray
Insulation material	Polyamide 66 (PA66)
Fire load	0.694 MJ
Weight	35.2 g

Commercial data

Product Group	18 (X-COM-System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918521710
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	EN 61984	2190419.02

Subject to changes. Please also observe the further product documentation!

DEKRA Certification B.V.



CCA	CCA	EN 60947	NTR NL-7626
	DEKRA Certification B.V.		
CSA	CCA	IEC 61984	NL-47799/A1
	DEKRA Certification B.V.		
CSA	CSA	C22.2 No. 158	1101144
	DEKRA Certification B.V.		
KEMA/KEUR	KEMA/KEUR	EN 60947	2190419.01
	DEKRA Certification B.V.		

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL	-	TAE00001V2
	Det Norske Veritas, Germanischer Lloyd		

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR	UL 1977	20151210-E45171
	Underwriters Laboratories Inc.		
	UR	UL 1059	20190731-E45172
	Underwriters Laboratories Inc.		

Compatible products

Subject to changes. Please also observe the further product documentation!

Female plug

**Item no.: 769-101**1-conductor female plug; 4 mm²; 1-pole; 4,00 mm²; gray

**Item no.: 769-101/000-016**1-conductor female plug; 4 mm²; 1-pole; 4,00 mm²; green-yellow

**Item no.: 769-101/022-000**1-conductor female plug; angled; 4 mm²; 1-pole; 4,00 mm²; gray

**Item no.: 769-101/022-016**1-conductor female plug; angled; 4 mm²; 1-pole; 4,00 mm²; green-yellow

**Item no.: 769-102**1-conductor female plug; 4 mm²; 2-pole; 4,00 mm²; gray

**Item no.: 769-102/000-036**1-conductor female plug; 4 mm²; 2-pole; 4,00 mm²; gray, green-yellow

**Item no.: 769-102/000-037**1-conductor female plug; 4 mm²; 2-pole; 4,00 mm²; green-yellow, gray

**Item no.: 769-103**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; gray

**Item no.: 769-103/000-036**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; gray, green-yellow

**Item no.: 769-103/000-037**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; green-yellow, gray

**Item no.: 769-103/000-038**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; gray, blue, green-yellow

**Item no.: 769-103/000-039**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; green-yellow, blue, gray

Subject to changes. Please also observe the further product documentation!



Item no.: 769-104

1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; gray



Item no.: 769-104/000-036

1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; gray, green-yellow



Item no.: 769-104/000-037

1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; green-yellow, gray



Item no.: 769-104/000-038

1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-104/000-039

1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-105

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; gray



Item no.: 769-105/000-036

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; gray, green-yellow



Item no.: 769-105/000-037

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; green-yellow, gray



Item no.: 769-105/000-038

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-105/000-039

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-106

1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; gray



Item no.: 769-106/000-006

1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; blue



Item no.: 769-106/000-036

1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; gray, green-yellow



Item no.: 769-106/000-037

1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; green-yellow, gray

Subject to changes. Please also observe the further product documentation!



Item no.: 769-106/000-038

1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-106/000-039

1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-107

1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; gray



Item no.: 769-107/000-036

1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; gray, green-yellow



Item no.: 769-107/000-037

1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; green-yellow, gray



Item no.: 769-107/000-038

1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-107/000-039

1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-108

1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; gray



Item no.: 769-108/000-036

1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; gray, green-yellow



Item no.: 769-108/000-037

1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; green-yellow, gray



Item no.: 769-108/000-038

1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-108/000-039

1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-109

1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; gray



Item no.: 769-109/000-036

1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; gray, green-yellow

Subject to changes. Please also observe the further product documentation!



Item no.: 769-109/000-037

1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; green-yellow, gray



Item no.: 769-109/000-038

1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-109/000-039

1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-110

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; gray



Item no.: 769-110/000-036

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; gray, green-yellow



Item no.: 769-110/000-037

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; green-yellow, gray



Item no.: 769-110/000-038

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-110/000-039

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-111

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; gray



Item no.: 769-111/000-036

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; gray, green-yellow



Item no.: 769-111/000-037

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; green-yellow, gray



Item no.: 769-111/000-038

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; gray, blue, green-yellow



Item no.: 769-111/000-039

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; green-yellow, blue, gray



Item no.: 769-112

1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; gray

Subject to changes. Please also observe the further product documentation!

**Item no.: 769-112/000-036**1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; gray, green-yellow**Item no.: 769-112/000-037**1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; green-yellow, gray**Item no.: 769-112/000-038**1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; gray, blue, green-yellow**Item no.: 769-112/000-039**1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; green-yellow, blue, gray**Item no.: 769-112/021-000**1-conductor female plug; Locking lever; 4 mm²; 12-pole; 4,00 mm²; gray**Item no.: 769-121**2-conductor female connector; 4 mm²; 1-pole; 4,00 mm²; gray**Item no.: 769-122**2-conductor female connector; 4 mm²; 2-pole; 4,00 mm²; gray**Item no.: 769-123**2-conductor female connector; 4 mm²; 3-pole; 4,00 mm²; gray**Item no.: 769-124**2-conductor female connector; 4 mm²; 4-pole; 4,00 mm²; gray**Item no.: 769-125**2-conductor female connector; 4 mm²; 5-pole; 4,00 mm²; gray**Item no.: 769-126**2-conductor female connector; 4 mm²; 6-pole; 4,00 mm²; gray**Item no.: 769-127**2-conductor female connector; 4 mm²; 7-pole; 4,00 mm²; gray**Item no.: 769-128**2-conductor female connector; 4 mm²; 8-pole; 4,00 mm²; gray**Item no.: 769-129**2-conductor female connector; 4 mm²; 9-pole; 4,00 mm²; gray**Item no.: 769-130**2-conductor female connector; 4 mm²; 10-pole; 4,00 mm²; gray**Item no.: 769-131**2-conductor female connector; 4 mm²; 11-pole; 4,00 mm²; gray**Item no.: 769-132**2-conductor female connector; 4 mm²; 12-pole; 4,00 mm²; gray

Subject to changes. Please also observe the further product documentation!



tools



Item no.: 210-490
Operating tool



Item no.: 769-434
Push-button; loose

ferrule



Item no.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated



Item no.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated



Item no.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated



Item no.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated



Item no.: 216-201
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white



Item no.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item no.: 216-203
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item no.: 216-204
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item no.: 216-206
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

Protective Warning Marker



Item no.: 280-415
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

Strain relief plate



Item no.: 769-1612
Strain relief housing; gray



Item no.: 769-414
Strain relief plate; gray

Insulation stop



Item no.: 769-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

Subject to changes. Please also observe the further product documentation!

**Item no.: 769-471**Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray**Item no.: 769-472**Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray**Marking accessories****Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

**Item no.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

**Item no.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

**Item no.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

**Item no.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

**Item no.: 2009-145/000-012**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

**Item no.: 2009-145/000-023**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

**Item no.: 2009-145/000-024**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

**Item no.: 210-831**

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

**Item no.: 210-832**

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

**Item no.: 210-833**

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

**Item no.: 210-834**

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

**Item no.: 248-501**

Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

Subject to changes. Please also observe the further product documentation!

**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

Coding

**Item no.: 769-435**

Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

Downloads

Documentation

Bid Text

769-612	Feb 19, 2019
GAEB X81 - Datei	

769-612	Oct 4, 2017
doc - Datei	

Additional Information

Technical explanations	Apr 3, 2019
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Subject to changes. Please also observe the further product documentation!

CAD/CAE-Data

CAD data

2D/3D Models 769-612

CAE data

EPLAN Data Portal 769-612

WSCAD Universe 769-612

ZUKEN Portal 769-612

Installation Notes

Conductor termination



Operating tool

Inserting a conductor via operating tool
(example shows a male connector).

Application

Subject to changes. Please also observe the further product documentation!



Male connector with CAGE CLAMP® connection

1-connector female plug, straight

Marking



Labeling a male connector with CAGE CLAMP® connection via Mini-WSB quick markers.

Product family

X-COM

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!