

# Data sheet | Item number: 769-612

1-conductor male connector; 4 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole



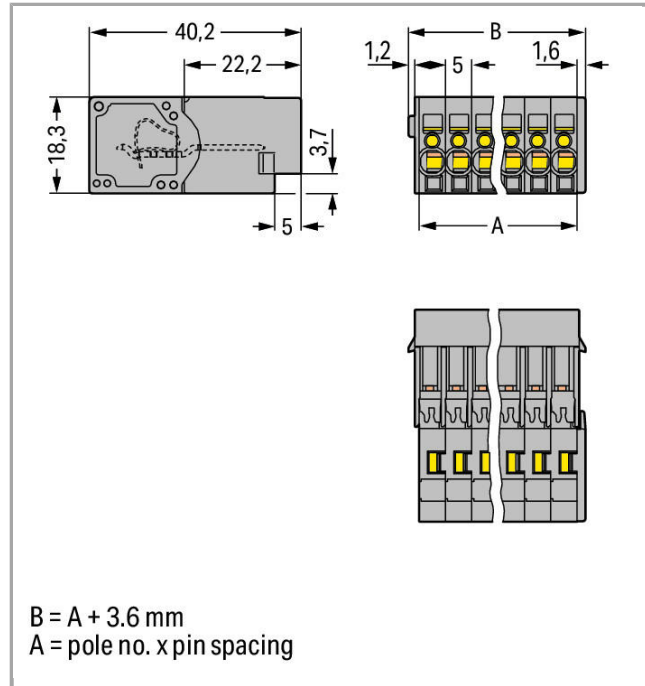
769-612



RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ■



## Data

### Electrical data

### Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated current	32 A

### Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross section	4 mm <sup>2</sup>
Solid conductor	0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
No. of poles	12

Total number of connection points	12
Total number of potentials	12
Type of wiring	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 conductors

### Material Data



Color	gray
Insulating material	Polyamide 66 (PA 66)
Fire load	0.694 MJ
Weight	34.559 g

### Commercial data

Product Group	18 (X-COM-System)
Country of origin	PL
GTIN	4044918521710
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-7626
	CCA DEKRA Certification B.V.	EN 61984	2190419.02
	CCA DEKRA Certification B.V.	IEC 61984	NL-47799
	CSA DEKRA Certification B.V.	C22.2 No. 158	1101144





KEMA/KEUR  
DEKRA Certification B.V.

EN 60947




2190419.01

## UL-Approvals


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

## Compatible products



## Insulation stop
















	Item no.: 769-470 Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip	769-470
	Item no.: 769-471 Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip	769-471
	Item no.: 769-472 Insulation stop; 0.75 - 1 mm²; 5 pieces/strip	769-472
















## Protective Warning Marker
















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












## Female plug


















	Item no.: 769-101 1-conductor female plug; 4 mm²; 1-pole	769-101
	Item no.: 769-101/000-016 1-conductor female plug; 4 mm²; 1-pole	769-101 /000-016


















	<b>Item no.: 769-101/022-000</b> 1-conductor female plug; angled; 4 mm <sup>2</sup> ; 1-pole	/022-000	769-101
	<b>Item no.: 769-101/022-016</b> 1-conductor female plug; angled; 4 mm <sup>2</sup> ; 1-pole	/022-016	769-101
	<b>Item no.: 769-102</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole		769-102
	<b>Item no.: 769-102/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole	/000-036	769-102
	<b>Item no.: 769-102/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole	/000-037	769-102
	<b>Item no.: 769-103</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole		769-103
	<b>Item no.: 769-103/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole	/000-036	769-103
	<b>Item no.: 769-103/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole	/000-037	769-103
	<b>Item no.: 769-103/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole	/000-038	769-103
	<b>Item no.: 769-103/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole	/000-039	769-103
	<b>Item no.: 769-104</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole		769-104
	<b>Item no.: 769-104/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole	/000-036	769-104
	<b>Item no.: 769-104/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole	/000-037	769-104
	<b>Item no.: 769-104/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole	/000-038	769-104
	<b>Item no.: 769-104/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole	/000-039	769-104
	<b>Item no.: 769-105</b>		










	1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole		769-105
	<b>Item no.: 769-105/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole	/000-036	769-105
	<b>Item no.: 769-105/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole	/000-037	769-105
	<b>Item no.: 769-105/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole	/000-038	769-105
	<b>Item no.: 769-105/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole	/000-039	769-105
	<b>Item no.: 769-106</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole		769-106
	<b>Item no.: 769-106/000-006</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole	/000-006	769-106
	<b>Item no.: 769-106/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole	/000-036	769-106
	<b>Item no.: 769-106/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole	/000-037	769-106
	<b>Item no.: 769-106/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole	/000-038	769-106
	<b>Item no.: 769-106/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole	/000-039	769-106
	<b>Item no.: 769-107</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole		769-107
	<b>Item no.: 769-107/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole	/000-036	769-107
	<b>Item no.: 769-107/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole	/000-037	769-107
	<b>Item no.: 769-107/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole	/000-038	769-107

	<b>Item no.: 769-107/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole		769-107
		/000-039	
	<b>Item no.: 769-108</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole		769-108
	<b>Item no.: 769-108/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole		769-108
		/000-036	
	<b>Item no.: 769-108/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole		769-108
		/000-037	
	<b>Item no.: 769-108/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole		769-108
		/000-038	
	<b>Item no.: 769-108/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole		769-108
		/000-039	
	<b>Item no.: 769-109</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole		769-109
	<b>Item no.: 769-109/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole		769-109
		/000-036	
	<b>Item no.: 769-109/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole		769-109
		/000-037	
	<b>Item no.: 769-109/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole		769-109
		/000-038	
	<b>Item no.: 769-109/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole		769-109
		/000-039	
	<b>Item no.: 769-110</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole		769-110
	<b>Item no.: 769-110/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole		769-110
		/000-036	
	<b>Item no.: 769-110/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole		769-110
		/000-037	
	<b>Item no.: 769-110/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole		769-110
		/000-038	

	<b>Item no.: 769-110/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole		769-110
		7000-039	
	<b>Item no.: 769-111</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole		769-111
	<b>Item no.: 769-111/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole		769-111
		7000-036	
	<b>Item no.: 769-111/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole		769-111
		7000-037	
	<b>Item no.: 769-111/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole		769-111
		7000-038	
	<b>Item no.: 769-111/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole		769-111
		7000-039	
	<b>Item no.: 769-112</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole		769-112
	<b>Item no.: 769-112/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole		769-112
		7000-036	
	<b>Item no.: 769-112/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole		769-112
		7000-037	
	<b>Item no.: 769-112/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole		769-112
		7000-038	
	<b>Item no.: 769-112/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole		769-112
		7000-039	
	<b>Item no.: 769-112/021-000</b> 1-conductor female plug; Locking lever; 4 mm <sup>2</sup> ; 12-pole		769-112
		7021-000	
	<b>Item no.: 769-121</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 1-pole		769-121
	<b>Item no.: 769-122</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 2-pole		769-122
	<b>Item no.: 769-123</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 3-pole		769-123
	<b>Item no.: 769-124</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 4-pole		769-124

	<b>Item no.: 769-125</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 5-pole	769-125
	<b>Item no.: 769-126</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 6-pole	769-126
	<b>Item no.: 769-127</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 7-pole	769-127
	<b>Item no.: 769-128</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 8-pole	769-128
	<b>Item no.: 769-129</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 9-pole	769-129
	<b>Item no.: 769-130</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 10-pole	769-130
	<b>Item no.: 769-131</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 11-pole	769-131
	<b>Item no.: 769-132</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 12-pole	769-132
<b>Marking accessories</b>		
	<b>Item no.: 2009-145</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	<b>Item no.: 2009-145/000-002</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-002
	<b>Item no.: 2009-145/000-005</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-005
	<b>Item no.: 2009-145/000-006</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-006
	<b>Item no.: 2009-145/000-007</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-007
	<b>Item no.: 2009-145/000-012</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-012
	<b>Item no.: 2009-145/000-023</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-023
	<b>Item no.: 2009-145/000-024</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-024
	<b>Item no.: 210-831</b> Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive	210-831

	<b>Item no.: 210-832</b> Marking strips; on reel; 3 mm wide; plain; Self-adhesive		210-832
	<b>Item no.: 210-833</b> Marking strips; on reel; 6 mm wide; plain; Self-adhesive		210-833
	<b>Item no.: 210-834</b> Marking strips; on reel; 5 mm wide; plain; Self-adhesive		210-834
	<b>Item no.: 248-501</b> Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card		248-501
	<b>Item no.: 248-501/000-002</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-002	248-501
	<b>Item no.: 248-501/000-005</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-005	248-501
	<b>Item no.: 248-501/000-006</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-006	248-501
	<b>Item no.: 248-501/000-007</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-007	248-501
	<b>Item no.: 248-501/000-012</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-012	248-501
	<b>Item no.: 248-501/000-017</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-017	248-501
	<b>Item no.: 248-501/000-023</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-023	248-501
	<b>Item no.: 248-501/000-024</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-024	248-501
<b>ferrule</b>			
	<b>Item no.: 216-101</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated		216-101
	<b>Item no.: 216-102</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated		216-102
	<b>Item no.: 216-103</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated		216-103
	<b>Item no.: 216-104</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated		216-104
	<b>Item no.: 216-201</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated		216-201

	<b>Item no.: 216-202</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated	216-202
	<b>Item no.: 216-203</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated	216-203
	<b>Item no.: 216-204</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated	216-204
	<b>Item no.: 216-206</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated	216-206
<b>Coding</b>		
	<b>Item no.: 769-435</b> Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors	769-435
<b>tools</b>		
	<b>Item no.: 210-490</b> Operating tool; for female and male connectors with CAGE CLAMP® connection	210-490
	<b>Item no.: 769-434</b> Push-button; loose; for female and male connectors with CAGE CLAMP® connection	769-434
<b>Strain relief plate</b>		
	<b>Item no.: 769-1612</b> Strain relief housing	769-1612
	<b>Item no.: 769-414</b> Strain relief plate	769-414

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