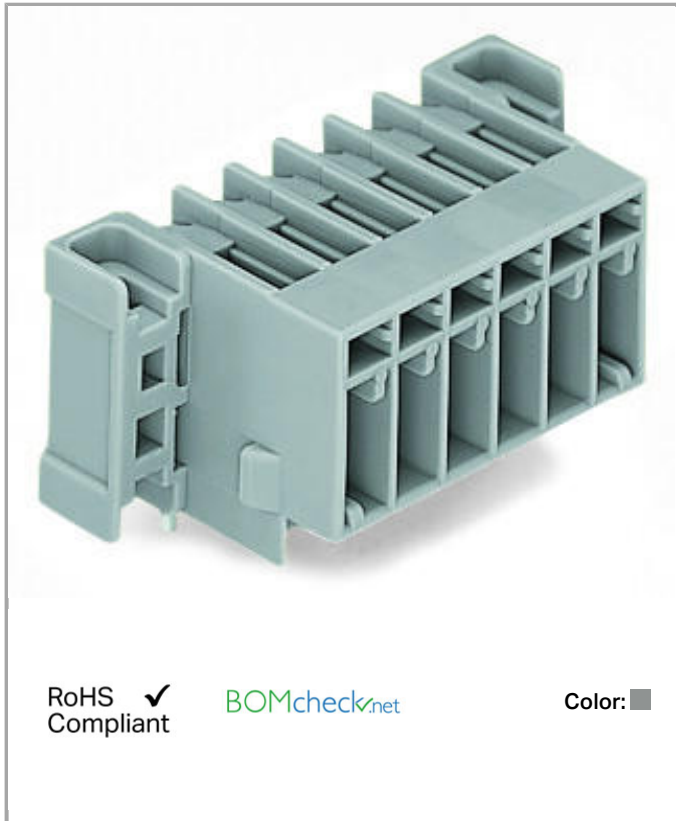


## Data sheet | Item number: 769-670/003-000

THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 10-pole; gray



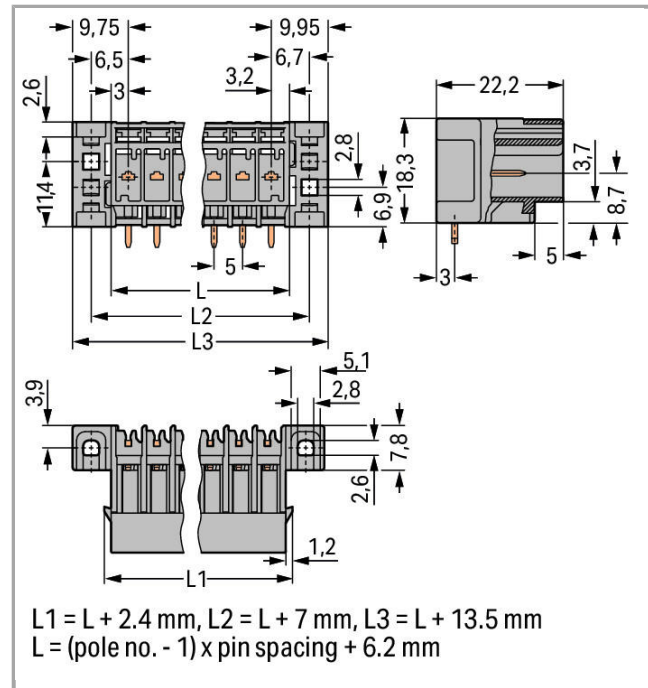
769-670\_003-000



RoHS  Compliant

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

Color: ■



### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	500 V
Rated impulse voltage (III / 2)	4 kV
Rated current	32 A

#### Connection data

Total number of potentials	10
Number of levels	1
No. of poles	10

## Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	64.7 mm / 2.547 inch
Height from the surface	18.3 mm / 0.72 inch
Depth	22.2 mm / 0.874 inch

## Mechanical data

Mounting type	Mounting flange
---------------	-----------------

## Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	No
Mating direction to the PCB	0°

## PCB contact

PCB contact	THT
-------------	-----

## Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Fire load	0.237 MJ
Weight	11.505 g

## Commercial data




Product Group	18 (X-COM-System)
Country of origin	PL
GTIN	4044918397056
Customs Tariff No.	85366990990

## Approvals / Certificates





### Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	IEC 61984	NL-47799
	CCA	EN 61984	2190419.02





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



## Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61984	2190419.02
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626
	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

## Other Approvals


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

## UL-Approvals









Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	31.07.2019- E45172
	UR Underwriters Laboratories Inc.	UL 1977	E45171- 20010720
















## Compatible products

















### Marking accessories

	<b>Item no.: 210-831</b> Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white	210-831
	<b>Item no.: 210-832</b> Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white	210-832
	<b>Item no.: 210-833</b> Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white	210-833
	<b>Item no.: 210-834</b> Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	210-834
















### ferrule
















	<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; white	216-201
	<b>Item no.: 216-202</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	216-202
	<b>Item no.: 216-203</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red	216-203
	<b>Item no.: 216-204</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black	216-204

















	<b>Item no.: 216-206</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; blue	216-206
	<b>Item no.: 216-301</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	216-301
	<b>Item no.: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green	216-302
<b>Female plug</b>		
	<b>Item no.: 769-101</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 1-pole; 4,00 mm <sup>2</sup> ; gray	769-101
	<b>Item no.: 769-102</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole; 4,00 mm <sup>2</sup> ; gray	769-102
	<b>Item no.: 769-102/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	769-102 /000-036
	<b>Item no.: 769-102/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	769-102 /000-037
	<b>Item no.: 769-103</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; gray	769-103
	<b>Item no.: 769-103/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	769-103 /000-036
	<b>Item no.: 769-103/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	769-103 /000-037
	<b>Item no.: 769-103/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	769-103 /000-038
	<b>Item no.: 769-103/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	769-103 /000-039
	<b>Item no.: 769-104</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole; 4,00 mm <sup>2</sup> ; gray	769-104
	<b>Item no.: 769-104/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	769-104 /000-036
	<b>Item no.: 769-104/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	769-104 /000-037
	<b>Item no.: 769-104/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	769-104 /000-038













	<b>Item no.: 769-104/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-104
	<b>Item no.: 769-105</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole; 4,00 mm <sup>2</sup> ; gray		769-105
	<b>Item no.: 769-105/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-105
	<b>Item no.: 769-105/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-105
	<b>Item no.: 769-105/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-105
	<b>Item no.: 769-105/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-105
	<b>Item no.: 769-106</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; gray		769-106
	<b>Item no.: 769-106/000-006</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; blue	/000-006	769-106
	<b>Item no.: 769-106/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-106
	<b>Item no.: 769-106/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-106
	<b>Item no.: 769-106/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-106
	<b>Item no.: 769-106/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-106
	<b>Item no.: 769-107</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole; 4,00 mm <sup>2</sup> ; gray		769-107
	<b>Item no.: 769-107/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-107
	<b>Item no.: 769-107/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-107
	<b>Item no.: 769-107/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-107



	<b>Item no.: 769-107/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-107
	<b>Item no.: 769-108</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole; 4,00 mm <sup>2</sup> ; gray		769-108
	<b>Item no.: 769-108/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-108
	<b>Item no.: 769-108/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-108
	<b>Item no.: 769-108/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-108
	<b>Item no.: 769-108/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 8-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-108
	<b>Item no.: 769-109</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole; 4,00 mm <sup>2</sup> ; gray		769-109
	<b>Item no.: 769-109/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-109
	<b>Item no.: 769-109/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-109
	<b>Item no.: 769-109/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-109
	<b>Item no.: 769-109/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-109
	<b>Item no.: 769-110</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole; 4,00 mm <sup>2</sup> ; gray		769-110
	<b>Item no.: 769-110/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-110
	<b>Item no.: 769-110/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-110
	<b>Item no.: 769-110/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-110

	<b>Item no.: 769-110/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-110
	<b>Item no.: 769-110/021-000</b> 1-conductor female plug; Locking lever; 4 mm <sup>2</sup> ; 10-pole; 4,00 mm <sup>2</sup> ; gray	/021-000	769-110
	<b>Item no.: 769-111</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole; 4,00 mm <sup>2</sup> ; gray		769-111
	<b>Item no.: 769-111/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-111
	<b>Item no.: 769-111/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-111
	<b>Item no.: 769-111/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-111
	<b>Item no.: 769-111/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 11-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-111
	<b>Item no.: 769-112</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole; 4,00 mm <sup>2</sup> ; gray		769-112
	<b>Item no.: 769-112/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-112
	<b>Item no.: 769-112/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-112
	<b>Item no.: 769-112/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	/000-038	769-112
	<b>Item no.: 769-112/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 12-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	/000-039	769-112
	<b>Item no.: 769-113</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 13-pole; 4,00 mm <sup>2</sup> ; gray		769-113
	<b>Item no.: 769-113/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 13-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	/000-036	769-113
	<b>Item no.: 769-113/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 13-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	/000-037	769-113

	<b>Item no.: 769-113/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 13-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	769-113 /000-038
	<b>Item no.: 769-113/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 13-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	769-113 /000-039
	<b>Item no.: 769-114</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 14-pole; 4,00 mm <sup>2</sup> ; gray	769-114
	<b>Item no.: 769-114/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 14-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	769-114 /000-036
	<b>Item no.: 769-114/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 14-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	769-114 /000-037
	<b>Item no.: 769-114/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 14-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	769-114 /000-038
	<b>Item no.: 769-114/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 14-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	769-114 /000-039
	<b>Item no.: 769-115</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 15-pole; 4,00 mm <sup>2</sup> ; gray	769-115
	<b>Item no.: 769-115/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 15-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	769-115 /000-036
	<b>Item no.: 769-115/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 15-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	769-115 /000-037
	<b>Item no.: 769-115/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 15-pole; 4,00 mm <sup>2</sup> ; gray, blue, green-yellow	769-115 /000-038
	<b>Item no.: 769-115/000-039</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 15-pole; 4,00 mm <sup>2</sup> ; green-yellow, blue, gray	769-115 /000-039
	<b>Item no.: 769-121</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 1-pole; 4,00 mm <sup>2</sup> ; gray	769-121
	<b>Item no.: 769-122</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 2-pole; 4,00 mm <sup>2</sup> ; gray	769-122
	<b>Item no.: 769-123</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; gray	769-123
	<b>Item no.: 769-124</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 4-pole; 4,00 mm <sup>2</sup> ; gray	769-124

	<b>Item no.: 769-125</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 5-pole; 4,00 mm <sup>2</sup> ; gray	769-125
	<b>Item no.: 769-126</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; gray	769-126
	<b>Item no.: 769-127</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 7-pole; 4,00 mm <sup>2</sup> ; gray	769-127
	<b>Item no.: 769-128</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 8-pole; 4,00 mm <sup>2</sup> ; gray	769-128
	<b>Item no.: 769-129</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 9-pole; 4,00 mm <sup>2</sup> ; gray	769-129
	<b>Item no.: 769-130</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 10-pole; 4,00 mm <sup>2</sup> ; gray	769-130
	<b>Item no.: 769-131</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 11-pole; 4,00 mm <sup>2</sup> ; gray	769-131
	<b>Item no.: 769-132</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 12-pole; 4,00 mm <sup>2</sup> ; gray	769-132
	<b>Item no.: 769-133</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 13-pole; 4,00 mm <sup>2</sup> ; gray	769-133
	<b>Item no.: 769-134</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 14-pole; 4,00 mm <sup>2</sup> ; gray	769-134
	<b>Item no.: 769-135</b> 2-conductor female connector; 4 mm <sup>2</sup> ; 15-pole; 4,00 mm <sup>2</sup> ; gray	769-135
<b>Coding</b>		
	<b>Item no.: 769-435</b> Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange	769-435

## Downloads

### Documentation

#### Bid Text

769-670/003-000		doc 25.6 kB	Download
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#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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## CAD/CAE - Smart Data

### CAD data

3D Download 769-670/003-000		URL	Download
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Product family

X-COM

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