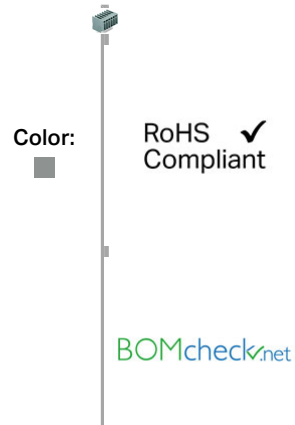


## Data sheet | Item number: 769-668

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 8-pole



769-668



### 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

No. of poles	8
Total number of potentials	8
Number of levels	1

#### Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	43.6 mm / 1.717 inch
Height from the surface	18.3 mm / 0.72 inch
Depth	22.2 mm / 0.874 inch

#### 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	0.173 MJ
Weight	8.55 g

### Commercial data

Product Group	18 (X-COM-System)
Country of origin	DE
GTIN	4044918396851
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

### 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	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>Item no.: 216-301</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated	216-301
	<b>Item no.: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated	216-302













### Coding
















	<b>Item no.: 769-435</b> Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors	769-435
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### Marking accessories
















	<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
















**Female plug**














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

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

	<b>Item no.: 769-107/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole		769-107
		/000-037	
	<b>Item no.: 769-107/000-038</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 7-pole		769-107
		/000-038	
	<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.: 769-108/021-000</b> 1-conductor female plug; Locking lever; 4 mm <sup>2</sup> ; 8-pole		769-108
		/021-000	
	<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 mm²; 10-pole	769-110 /000-036
	<b>Item no.: 769-110/000-037</b> 1-conductor female plug; 4 mm²; 10-pole	769-110 /000-037
	<b>Item no.: 769-110/000-038</b> 1-conductor female plug; 4 mm²; 10-pole	769-110 /000-038
	<b>Item no.: 769-110/000-039</b> 1-conductor female plug; 4 mm²; 10-pole	769-110 /000-039
	<b>Item no.: 769-111</b> 1-conductor female plug; 4 mm²; 11-pole	769-111
	<b>Item no.: 769-111/000-036</b> 1-conductor female plug; 4 mm²; 11-pole	769-111 /000-036
	<b>Item no.: 769-111/000-037</b> 1-conductor female plug; 4 mm²; 11-pole	769-111 /000-037
	<b>Item no.: 769-111/000-038</b> 1-conductor female plug; 4 mm²; 11-pole	769-111 /000-038
	<b>Item no.: 769-111/000-039</b> 1-conductor female plug; 4 mm²; 11-pole	769-111 /000-039
	<b>Item no.: 769-112</b> 1-conductor female plug; 4 mm²; 12-pole	769-112
	<b>Item no.: 769-112/000-036</b> 1-conductor female plug; 4 mm²; 12-pole	769-112 /000-036
	<b>Item no.: 769-112/000-037</b> 1-conductor female plug; 4 mm²; 12-pole	769-112 /000-037
	<b>Item no.: 769-112/000-038</b> 1-conductor female plug; 4 mm²; 12-pole	769-112 /000-038
	<b>Item no.: 769-112/000-039</b> 1-conductor female plug; 4 mm²; 12-pole	769-112 /000-039
	<b>Item no.: 769-113</b> 1-conductor female plug; 4 mm²; 13-pole	769-113

	<b>Item no.: 769-113/000-036</b> 1-conductor female plug; 4 mm²; 13-pole	769-113 /000-036
	<b>Item no.: 769-113/000-037</b> 1-conductor female plug; 4 mm²; 13-pole	769-113 /000-037
	<b>Item no.: 769-113/000-038</b> 1-conductor female plug; 4 mm²; 13-pole	769-113 /000-038
	<b>Item no.: 769-113/000-039</b> 1-conductor female plug; 4 mm²; 13-pole	769-113 /000-039
	<b>Item no.: 769-114</b> 1-conductor female plug; 4 mm²; 14-pole	769-114
	<b>Item no.: 769-114/000-036</b> 1-conductor female plug; 4 mm²; 14-pole	769-114 /000-036
	<b>Item no.: 769-114/000-037</b> 1-conductor female plug; 4 mm²; 14-pole	769-114 /000-037
	<b>Item no.: 769-114/000-038</b> 1-conductor female plug; 4 mm²; 14-pole	769-114 /000-038
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	<b>Item no.: 769-115</b> 1-conductor female plug; 4 mm²; 15-pole	769-115
	<b>Item no.: 769-115/000-036</b> 1-conductor female plug; 4 mm²; 15-pole	769-115 /000-036
	<b>Item no.: 769-115/000-037</b> 1-conductor female plug; 4 mm²; 15-pole	769-115 /000-037
	<b>Item no.: 769-115/000-038</b> 1-conductor female plug; 4 mm²; 15-pole	769-115 /000-038
	<b>Item no.: 769-115/000-039</b> 1-conductor female plug; 4 mm²; 15-pole	769-115 /000-039
	<b>Item no.: 769-122</b> 2-conductor female connector; 4 mm²; 2-pole	769-122

	<b>Item no.: 769-123</b> 2-conductor female connector; 4 mm²; 3-pole	769-123
	<b>Item no.: 769-124</b> 2-conductor female connector; 4 mm²; 4-pole	769-124
	<b>Item no.: 769-125</b> 2-conductor female connector; 4 mm²; 5-pole	769-125
	<b>Item no.: 769-126</b> 2-conductor female connector; 4 mm²; 6-pole	769-126
	<b>Item no.: 769-127</b> 2-conductor female connector; 4 mm²; 7-pole	769-127
	<b>Item no.: 769-128</b> 2-conductor female connector; 4 mm²; 8-pole	769-128
	<b>Item no.: 769-129</b> 2-conductor female connector; 4 mm²; 9-pole	769-129
	<b>Item no.: 769-130</b> 2-conductor female connector; 4 mm²; 10-pole	769-130
	<b>Item no.: 769-131</b> 2-conductor female connector; 4 mm²; 11-pole	769-131
	<b>Item no.: 769-132</b> 2-conductor female connector; 4 mm²; 12-pole	769-132
	<b>Item no.: 769-133</b> 2-conductor female connector; 4 mm²; 13-pole	769-133
	<b>Item no.: 769-134</b> 2-conductor female connector; 4 mm²; 14-pole	769-134
	<b>Item no.: 769-135</b> 2-conductor female connector; 4 mm²; 15-pole	769-135

## Downloads

## Documentation

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