

Data sheet | Item number: 733-204/032-000

1-conductor male connector; 100% protected against mismatching; Strain relief plate; 0.5 mm²; Pin spacing 2.5 mm; 4-pole; 0,50 mm²; light gray



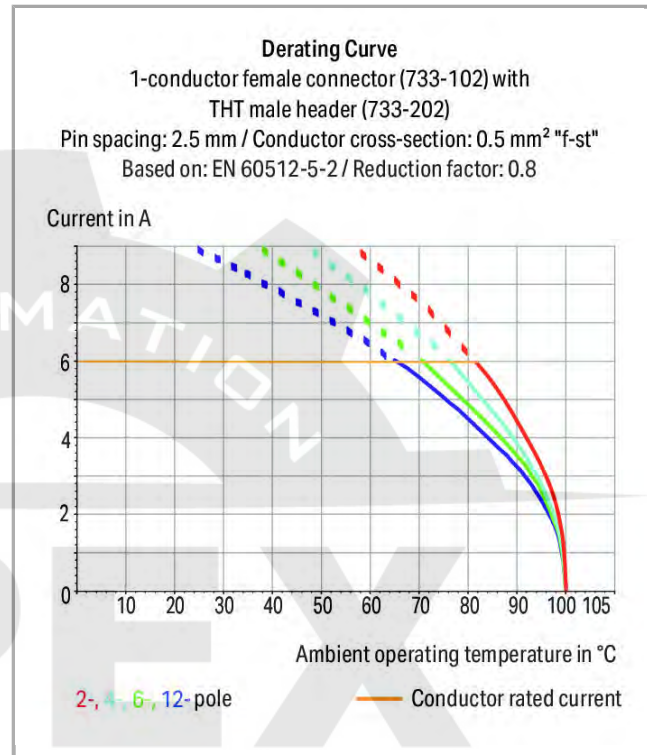
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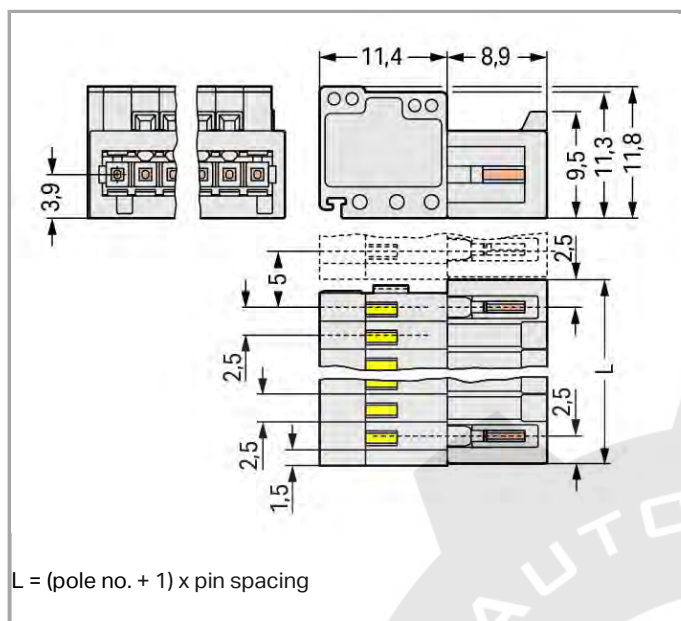


RoHS Compliant

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

Color:





Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- For wire-to-wire connections
- 100% protected against mismatching
- Coding via coding fingers

Safety information 1:

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	100 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	6 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A

Approvals per CSA

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	4 A

Connection data

Connection technology	CAGE CLAMP®		
Actuation type	Operating tool		
Solid conductor	0.08	0.5 mm² / 28	20 AWG
Fine-stranded conductor	0.08	0.5 mm² / 28	20 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25	0.34 mm²	
Fine-stranded conductor with ferrule without plastic collar	0.25	0.34 mm²	
Strip length	5	6 mm / 0.2	0.24 inch
Total number of connection points	4		
Total number of potentials	4		
Number of connection types	1		
Number of levels	1		
Conductor entry direction to mating direction	0°		
No. of poles	4		

Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
Width	12.5 mm / 0.492 inch
Height	11.8 mm / 0.465 inch
Depth	20.3 mm / 0.799 inch

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductors
Mismating protection	Yes

Material Data

Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)

Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.046 MJ
Weight	2.272 g

Environmental Requirements

Limit temperature range	-60 +100 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Country of origin	PL
GTIN	4044918849845
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61984	2169534.01
	CCA DEKRA Certification B.V.	IEC 61984	NL-31141
	CSA DEKRA Certification B.V.	C22.2	1465035

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1241537- PDA
	CCA DEKRA Certification B.V.	EN 61984	2169534.01
	CCA DEKRA Certification B.V.	IEC 61984	NL-31141



CSA
DEKRA Certification B.V.

C22.2

1465035



DNV GL
Det Norske Veritas, Germanischer Lloyd

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TAE000016Z

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1241537- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z

Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1977	E45171

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1977	E45171

Compatible products

ferrule



Item no.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated

216-131

Item no.: 216-132

	Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	216-132
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	216-151
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	216-152
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green	216-302
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green	216-322
check		
	Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire	735-500
tools		
	Item no.: 210-251 Operating tool; for female and male connectors with CAGE CLAMP® connection; MCS MINI & MICRO; yellow	210-251
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-719
	Item no.: 233-331 Operating tool; for female and male connectors with CAGE CLAMP® connection; insulated; yellow	233-331
	Item no.: 233-332 Operating tool; for 233 and 733 Series; of insulating material	233-332
	Item no.: 233-335 Operating tool; for 233 and 733 Series	233-335
	Item no.: 733-130 Operating tool; for male and female connectors with CAGE CLAMP®; loose; natural	733-130
	Item no.: 733-191 Operating tool; for male and female connectors with CAGE CLAMP®; loose; yellow	733-191
Strain relief plate		
	Item no.: 734-127 Strain relief plate; light gray	734-127
Coding		
	Item no.: 733-330 Coding key; snap-on type; white	733-330
	Item no.: 733-331 Coding key; snap-on type; black	733-331



Downloads
Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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Subject to changes.
