

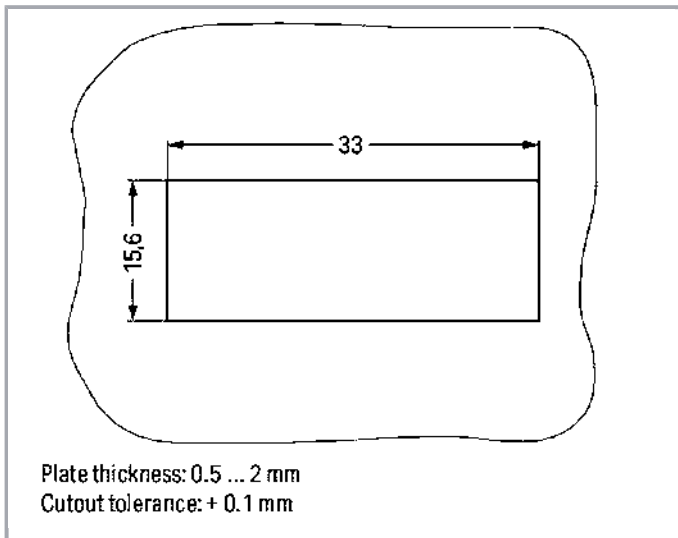
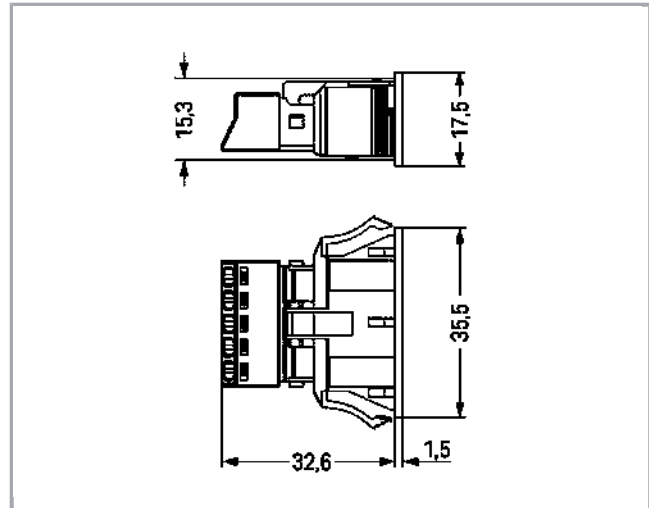
## Data sheet | Item number: 890-2115/006-000

Snap-in plug; without locking lever; 5-pole; Cod. I; 1,50 mm<sup>2</sup>; blue

[www.wago.com/890-2115\\_006-000](http://www.wago.com/890-2115_006-000)



Color: ■



### Item description

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

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We are always happy to take your call at +49 (571) 887-44222.



- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

**Note:**

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug /socket).

**Note on mismatching protection:**

All WINSTA® components are 100% protected against mismatching in terms of:

- plugging different number of poles
- plugging when turned by 180°
- plugging when laterally staggered
- plugging one pole

**Safety information 1:**

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

**Data****Electrical data**

Note on Contact Resistance	approx. 1mΩ contact resistance approx. 0.25mΩ contact transition plug/socket
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**Ratings per IEC/EN 60664-1**

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

**Approvals per UL 1977**

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	12 A

**Connection data**

Actuation type	Operating tool Push-in
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Nominal cross section	1.5 mm <sup>2</sup>
Solid conductor	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Solid conductor, push-in termination	0.75 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Stranded conductor	0.25 ... 1 mm <sup>2</sup> / 22 ... 18 AWG
Fine-stranded conductor	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 ... 0.75 mm <sup>2</sup> / 22 ... 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 0.75 mm <sup>2</sup> / 22 ... 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
No. of poles	5
Total number of connection points	5
Total number of potentials	5
Ground function	with preceding ground contact
Conductor entry direction to mating direction	0°

## Geometrical Data

Pin spacing	4.4 mm / 0.173 inch
Width	35,5 mm / 1.398 inch
Height	17,5 mm / 0.689 inch
Depth	34,1 mm / 1.343 inch

## Mechanical data

Coding	I
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load  100, with resistive load $I_N = 16$ A, tested (1.5mm <sup>2</sup> /AWG 16)
Gehäuseblechstärke	0.5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in
Marking	N L - +
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

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



Potential marking	N L - +
Application	Lighting management
Suitable	for lighting installation with intermediate coupler

## Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	no

## Material Data

Color	blue
Insulating material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.182 MJ
Weight	9.5 g

## Environmental Requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

## Commercial data

Packaging type	BOX
Country of origin	PL
GTIN	4050821312314
Customs Tariff No.	85366990990

## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	71- 102984


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#### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	Steel Vessel Rules	19-HG1869855-PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>LR</b> Lloyds Register	EN 61535	08/20047 (E2)

#### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171

#### Counterpart

	<b>Item no.890-1105</b> Socket; 5-pole; Cod. I; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/890-1105">www.wago.com/890-1105</a>
	<b>Item no.891-8985/006-101</b> pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/891-8985/006-101">www.wago.com/891-8985/006-101</a>
	<b>Item no.891-8985/106-101</b> pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/891-8985/106-101">www.wago.com/891-8985/106-101</a>
	<b>Item no.890-619</b> Intermediate coupler; 5-pole; Cod. I; for sockets and plugs; blue	<a href="http://www.wago.com/890-619">www.wago.com/890-619</a>

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## Compatible products

### protection



Item no.: 770-643

Lockout cap; 3-pole; for cutouts; Plastic; black

[www.wago.com/770-643](http://www.wago.com/770-643)



Item no.: 770-693

Lockout cap; 3-pole; for cutouts; Plastic; white

[www.wago.com/770-693](http://www.wago.com/770-693)

### tools



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)



Item no.: 890-385

Operating tool; 5-way; green

[www.wago.com/890-385](http://www.wago.com/890-385)

## Downloads

### CAD/CAE-Data

#### CAE data

WSCAD Universe 890-2115/006-000

URL

Download

## Installation Notes

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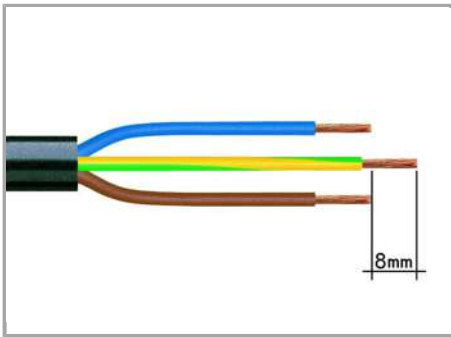
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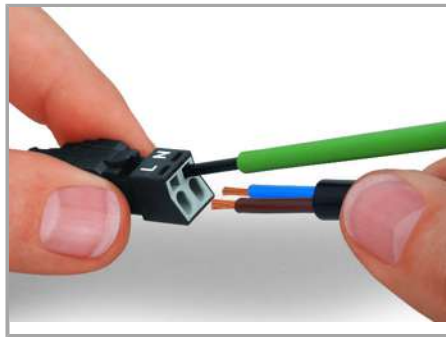
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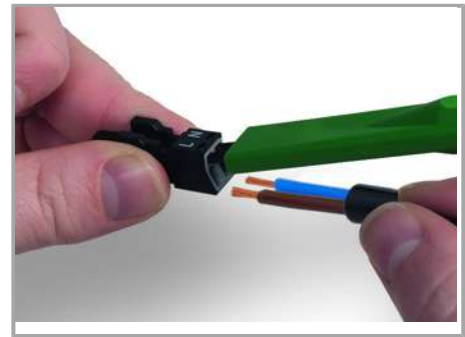
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm

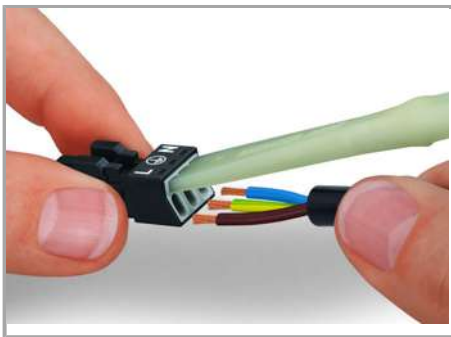


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop. Terminate solid conductors by simply pushing them in.



To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.



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