

## Data sheet | Item number: 770-1343/050-000

Socket; 3-pole; Cod. R; 4,00 mm<sup>2</sup>; orange

[www.wago.com/770-1343\\_050-000](http://www.wago.com/770-1343_050-000)



### Item description

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

#### 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).

#### 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 16 A and voltages up to 600 V. For further information, please contact your local sales office.

### Data

#### Electrical data

Note on contact resistance	approx. 1 mΩ contact resistance approx. 0.25 mΩ contact transition plug/socket
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#### IEC Approvals

Rated voltage (III / 3)	250 V
Rated surge voltage (III/3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

#### Ratings per UL

Rated voltage UL 1977	600 V
Rated current UL 1977	23 A

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

WAGO Corporation  
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We are always happy to take your call at {0}.



## Connection data

Actuation type	Operating tool Push-in
Nominal cross-section	4 mm <sup>2</sup>
Solid conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Solid conductor; push-in termination	1.5 ... 4 mm <sup>2</sup> / 16 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup> / 20 ... 14 AWG
Strip length	9 mm / 0.35 inch
Pole No.	3
Total number of connection points	6
Total number of potentials	3
Conductor entry direction to mating direction	0°

## Physical data

Pin spacing	10 mm / 0.394 inch
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## Mechanical data

Coding	R
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 $I_N = 25A$ , tested (4 mm <sup>2</sup> /AWG 12)
Protection type	IP20
Note on protection type	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

## Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductors

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



Mismating protection	Yes
Locking lever	no
Locking of plug-in connection	locking lever

## Material data

Color	orange
Insulation material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.161 MJ
Weight	9.5 g

## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures $\leq 105$ °C

## Commercial data

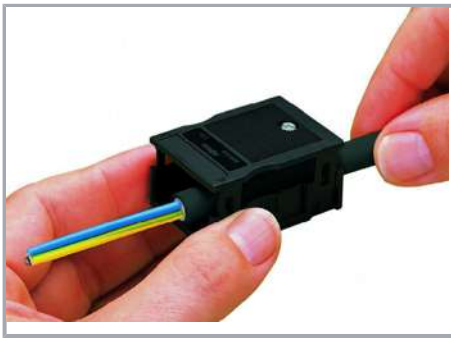
Product Group	20 (WINSTA)
Packaging type	BOX
Country of origin	DE
GTIN	4044918499330
Customs tariff number	85366990990

## Installation Notes

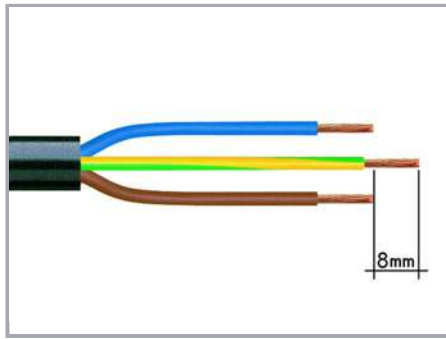
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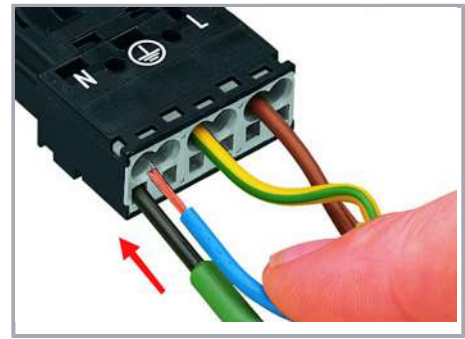
Do you have any questions about our products?  
We are always happy to take your call at {0}.



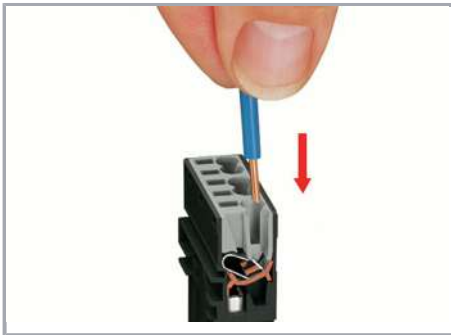
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

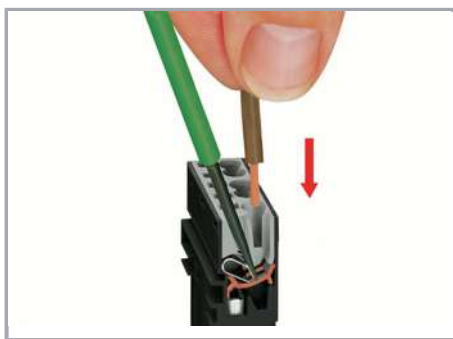


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

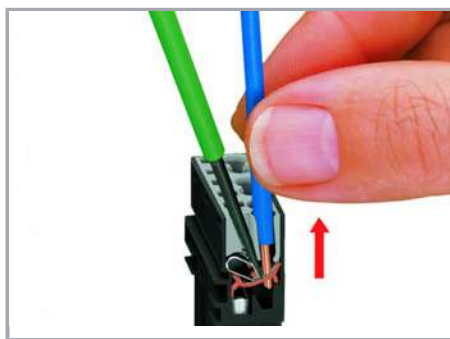


Insert the stripped solid conductor until it hits the backstop.

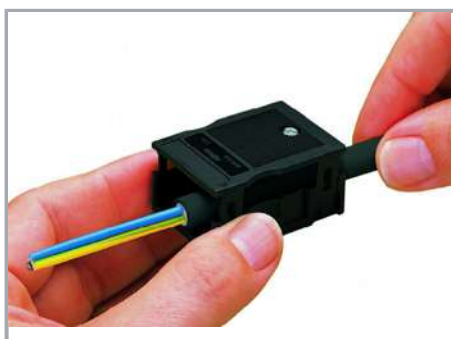
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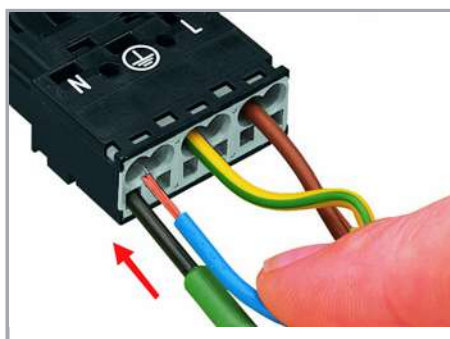
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To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.



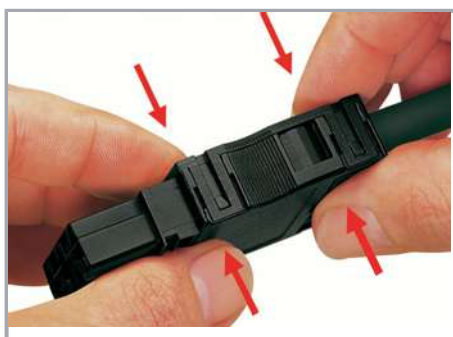
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



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



Latch the strain relief housing onto the plug /socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.



Tighten strain relief screw with screwdriver (2.5 mm blade width).

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