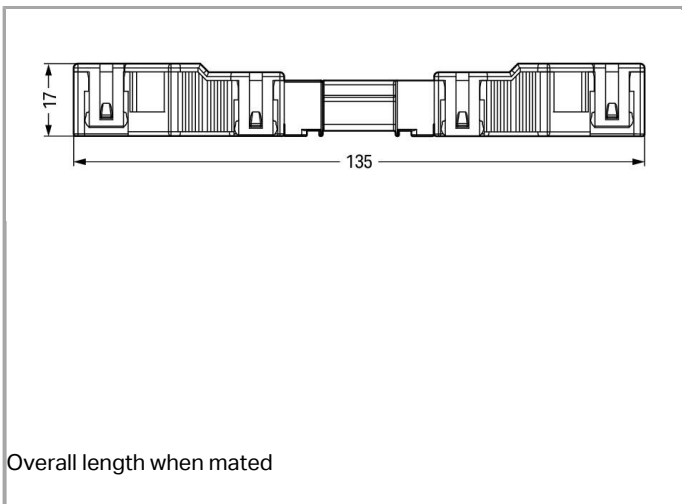
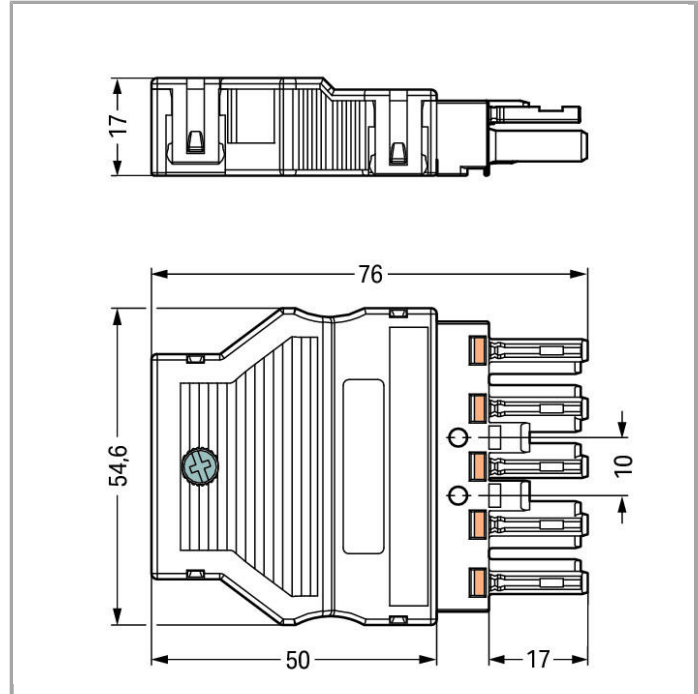
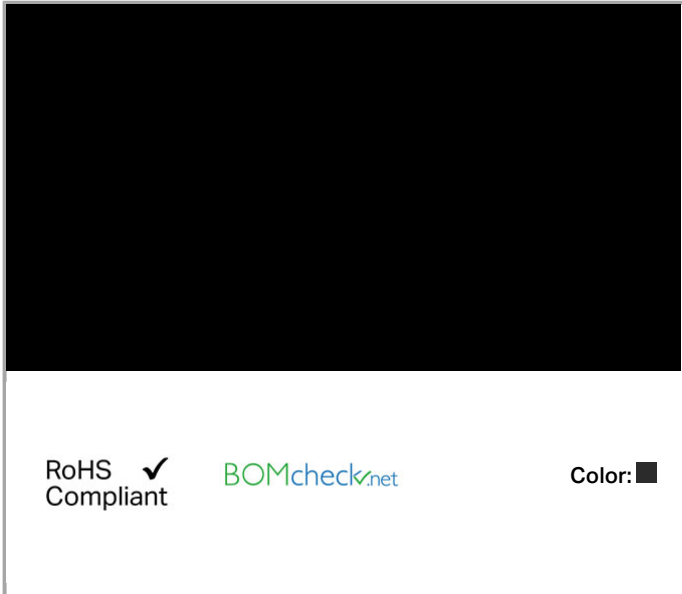


Data sheet | Item number: 770-105

Socket; with strain relief housing; 5-pole; Cod. A

[www.wago.com/770-105](http://www.wago.com/770-105)



Item description

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).



## Data

## Electrical data

## Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A
Legend (ratings)	(III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3

## Connection data

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
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 ... 14 AWG
Fine-stranded conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 2.5 mm <sup>2</sup> / 20 ... 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm <sup>2</sup> / 16 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	10
Total number of potentials	5
Connectable sheathed cable diameter	9 ... 13 mm
Conductor entry direction to mating direction	0°
Strip length	55 mm

## Geometrical Data

Pin spacing	10 mm (0.394 inch)
Width	54.6 mm / 2.15 inch
Height	17 mm / 0.669 inch
Depth	75.9 mm / 2.988 inch

## Mechanical data

Coding	A
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N

Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Marking	N L1 L2 L3
Degree of protection	IP20
Potential marking	N L1 L2 L3

### Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	no
Strain relief	Strain relief housing

### Material Data

Color	black
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.62 MJ
Weight	29.045 g

### Environmental Requirements

Surrounding air (operating) temperature	-35 ... 85 °C
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### Commercial data

Country of origin	DE
GTIN	4044918252157
Customs Tariff No.	85366990990
Product Group	20 (WINSTA)

### Approvals / Certificates




#### Country specific Approvals

Logo	Approval	Certificate name
	CCA DEKRA Certification B.V.	2173495.02
	CCA DEKRA Certification B.V.	NL-32105
	VDE	40029808

VDE Prüf- und Zertifizierungsinstitut



## Ship Approvals







Logo	Approval	Certificate name
	<b>ABS</b> American Bureau of Shipping	14-HG1241528-PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	TAE00001Z6
	<b>LR</b> Lloyds Register	02/20050 (E6)

## UL-Approvals





Logo	Approval	Certificate name
	<b>cURus</b> Underwriters Laboratories Inc.	E45171 Sec. 9

## Compatible products

## Marking accessories

	<b>Item no.: 770-450</b> Marker card; for manual marking	<a href="http://www.wago.com/770-450">www.wago.com/770-450</a>
	<b>Item no.: 770-450/000-001</b> Marker card; for manual marking	<a href="http://www.wago.com/770-450/000-001">www.wago.com/770-450/000-001</a>
	<b>Item no.: 770-450/000-002</b> Marker card; for manual marking	<a href="http://www.wago.com/770-450/000-002">www.wago.com/770-450/000-002</a>
	<b>Item no.: 770-450/000-005</b> Marker card; for manual marking	<a href="http://www.wago.com/770-450/000-005">www.wago.com/770-450/000-005</a>
	<b>Item no.: 770-450/000-006</b> Marker card; for manual marking	<a href="http://www.wago.com/770-450/000-006">www.wago.com/770-450/000-006</a>
	<b>Item no.: 770-450/000-012</b> Marker card; for manual marking	<a href="http://www.wago.com/770-450/000-012">www.wago.com/770-450/000-012</a>



**Locking lever**

	<b>Item no.: 770-101</b> Locking lever; manually operated; for "flying leads"	<a href="http://www.wago.com/770-101">www.wago.com/770-101</a>
	<b>Item no.: 770-111</b> Locking lever; tool operated; for "flying leads"	<a href="http://www.wago.com/770-111">www.wago.com/770-111</a>
	<b>Item no.: 770-121</b> Locking lever; manually operated; for "flying leads"	<a href="http://www.wago.com/770-121">www.wago.com/770-121</a>
	<b>Item no.: 770-131</b> Locking lever; tool operated; for "flying leads"	<a href="http://www.wago.com/770-131">www.wago.com/770-131</a>

**protection**

	<b>Item no.: 770-201</b> Lockout cap; for socket; 12-pole; separable	<a href="http://www.wago.com/770-201">www.wago.com/770-201</a>
	<b>Item no.: 770-221</b> Lockout cap; for socket; 12-pole; separable	<a href="http://www.wago.com/770-221">www.wago.com/770-221</a>

**tools**

	<b>Item no.: 210-720</b> Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
	<b>Item no.: 770-100</b> Wiring aid; for solid and stranded conductors	<a href="http://www.wago.com/770-100">www.wago.com/770-100</a>

**Downloads**

**Documentation**

**Bid Text**

770-105 WINSTA MIDI 5-polig	Jan 21, 2016	DOC 24.1 kB	Download
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**smartDATA**

**CAD data**

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Subject to changes.

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