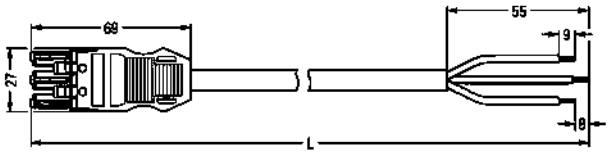
Data sheet | Item number: 771-9993/106-102

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9993_106-102

RoHS Compliant ✓ BOMcheck.net Color:



Item description

- Protected against mismating and maintenance-free
- Additional variable coding is possible

Note:

Cables with a different fire class can be found in the eShop.

Note on mismating protection:

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) 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 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 of contact resistance approx. 0.25 mΩ contact transition plug/socket

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

WAGO Kontakttechnik GmbH & Co. KG
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Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 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)	23 A

Connection data

Strip length	9 mm / 0.35 inch
No. of poles	3
Total number of potentials	3
Ground function	with preceding ground contact
Conductor preparation	tip-bonded
Cable diameter	7,4 … 9,4 mm
Cross section of single conductor	1.5 mm²
Strip length	55 mm
Connection type	Socket - Free end

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Total length	1 m

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)
Number of mating cycles	200 (without resistive load) 100 (with resistive load I_N = 25 A), tested (4 mm²)
Connection type	Socket - free end
Type of cable assembly	Connecting cable
Type of cable	H05VV-F 3G1.5

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Marking	L N
Protection class	IP20
Note on protection class	Only when mated (these compact connectors are not designed for use in open, easily accessible areas).
Potential marking	L N
Application	General mains applications

Plug connection

Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	retrofittable

Material Data

Color	white
Insulating material	Polyamide 66 (PA 66)
Reaction to fire class per EN 50575	E_{ca}
Contact material	Copper or copper alloy (surface-treated)
Fire load	2.161 MJ
Connector color	white
Printing color of mating face	black
Strain relief color	white
Printing color of strain relief	black
Color of sheathed cable	white
Printing color of sheathed cable	black
Sheath material	PVC
Weight	109.3 g

Environmental Requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on Continuous Service Temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

Packaging type	not packed
Country of origin	DE
GTIN	4044918587594

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Customs Tariff No.	85444290900

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61535	NTR NL-7355
	KEMA/KEUR DEKRA Certification B.V.	EN 61535	2179129.01

Counterpart

	Item no.770-133 Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white	www.wago.com/770-133
	Item no.770-233 Plug; 3-pole; Cod. A; 4,00 mm²; white	www.wago.com/770-233
	Item no.770-233/035-050 Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white	www.wago.com/770-233/035-050
	Item no.770-438 Device connector; 3-pole; Cod. A; Plug module with locking lever; white	www.wago.com/770-438
	Item no.770-233/002-000 Plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; white	www.wago.com/770-233/002-000
	Item no.770-6223 Linect® T-connector; 3-pole; Cod. A; 1 input; 2 outputs; white	www.wago.com/770-6223
	Item no.770-656 T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; white	www.wago.com/770-656
	Item no.770-658 5-way distribution connector; 3-pole; Cod. A; 1 input; 5 outputs; white	www.wago.com/770-658

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	Item no.770-665 T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white	www.wago.com/770-665
	Item no.770-657 3-way distribution connector; 3-pole; Cod. A; 1 input; 3 outputs; white	www.wago.com/770-657
	Item no.770-684 h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white	www.wago.com/770-684
	Item no.770-683 h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 2 locking levers; white	www.wago.com/770-683
	Item no.770-685 h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; white	www.wago.com/770-685
	Item no.770-686 h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; white	www.wago.com/770-686
	Item no.770-687 Distribution connector for switches; Single-pole switch and series circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; white	www.wago.com/770-687
	Item no.770-688 Distribution connector for switches; Single-pole and throttle two-way circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; white	www.wago.com/770-688
	Item no.770-733 Snap-in plug; 3-pole; Cod. A; 4,00 mm²; white	www.wago.com/770-733
	Item no.770-733/007-000 Snap-in plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; white	www.wago.com/770-733/007-000
	Item no.770-833/011-000 Plug for PCBs; angled; 3-pole; Cod. A; white	www.wago.com/770-833/011-000
	Item no.770-833 Plug for PCBs; straight; 3-pole; Cod. A; white	www.wago.com/770-833

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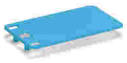
Compatible products

protection		
	Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets; black	www.wago.com/770-201
	Item no.: 770-221 Lockout cap; for socket; 12-pole; separable; white	www.wago.com/770-221
Locking lever		
	Item no.: 770-101 Locking lever; for flying leads; for manual operation; black	www.wago.com/770-101
	Item no.: 770-111 Locking lever; for flying leads; for tool operation; black	www.wago.com/770-111
	Item no.: 770-121 Locking lever; for flying leads; for manual operation; white	www.wago.com/770-121
	Item no.: 770-131 Locking lever; for flying leads; for tool operation; white	www.wago.com/770-131
Marking accessories		
	Item no.: 210-334 Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white	www.wago.com/210-334
	Item no.: 770-450 Marker card; Plastic; white	www.wago.com/770-450
	Item no.: 770-450/000-001 Marker card; Plastic; white	www.wago.com/770-450/000-001
	Item no.: 770-450/000-002 Marker card; Plastic; white	www.wago.com/770-450/000-002
	Item no.: 770-450/000-005 Marker card; Plastic; white	www.wago.com/770-450/000-005
	**Item no.: 770-450/000-006** Marker card; Plastic; white	www.wago.com/770-450/000-006
	Item no.: 770-450/000-012 Marker card; Plastic; white	www.wago.com/770-450/000-012

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Downloads

Documentation

Bid Text

771-9993/106-102 doc - Datei	Dec 4, 2014	doc 25.6 kB	Download
771-9993/106-102 GAEB X81 - Datei	Feb 19, 2019	xml 3.0 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 771-9993/106-102	URL	Download

CAE data

WSCAD Universe 771-9993/106-102	URL	Download

Installation Notes

Product family

WINSTA® MIDI
Show all products from the family

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