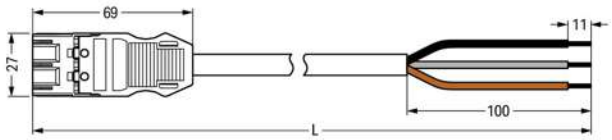
Data sheet | Item number: 771-9973/216-405

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. S; 4m; 1,50 mm²; brown

www.wago.com/771-9973_216-405

RoHS Compliant ✓ BOMcheck.net Color:



Item description

- Protected against mismating and maintenance-free

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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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

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	11 mm / 0.43 inch
No. of poles	3
Total number of potentials	3
Conductor preparation	tip-bonded
Cable diameter	7,4 … 9,4 mm
Cross section of single conductor	1.5 mm²
Strip length	100 mm
Connection type	Plug - Free end

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Total length	4 m

Mechanical data

Coding	S
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	Plug - free end
Type of cable assembly	Connecting cable
Type of cable	H05Z1Z1-F 3x1.5

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Marking	1 2 L
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	1 2 L
Application	Switching function
Suitable	for distribution connectors; series and two-way circuits

Plug connection

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

Material Data

Color	brown
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	7.905 MJ
Connector color	brown
Printing color of mating face	white
Strain relief color	black
Printing color of strain relief	white
Color of sheathed cable	black
Printing color of sheathed cable	white
Halogen-free	Yes
Weight	399.9 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

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GTIN	4050821311010
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

Compatible products

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

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	Item no.: 770-450/000-012 Marker card; Plastic; white	www.wago.com/770-450/000-012
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
protection		
	Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable; yellow	www.wago.com/770-360

Downloads

Documentation

Bid Text

771-9973/216-405 GAEB X81 - Datei	Feb 19, 2019	xml 3.2 kB	Download
771-9973/216-405 doc - Datei	Aug 13, 2018	doc 26.6 kB	Download

CAD/CAE-Data

CAE data

WSCAD Universe 771-9973/216-405	URL	Download

Installation Notes

Product family

WINSTA® MIDI
Show all products from the family

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

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