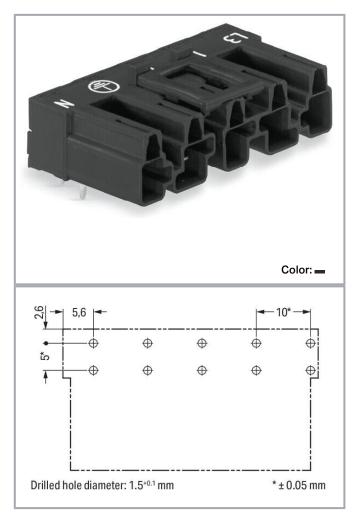
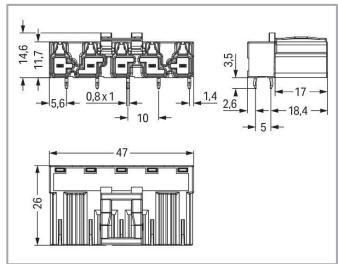
Plug for PCBs; angled; 5-pole; Cod. A; black

www.wago.com/770-815/011-000







Item description

Male connector/plug WINSTA® MIDI A coding

Consistently secure electrical installations connection technology: The WINSTA® MIDI male connector/plug. Our large selection of pluggable PCB connectors with various insertion directions and operating variants offers you the perfect solution for your application at all times. For greater security in electrical installations, the pcb connectors is equipped with mechanical protection against mismating. General mains applications for almost any domain of use can be implemented with WINSTA® MIDI pcb connectors with A coding. This pcb connectors can be used for electrical

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

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currents up to 25 A. Thus the product is also suitable for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Thanks to the integrated test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with marking from WAGO makes the electrical installation of electrical components significantly easier.

- effective protection against mismating
- pre-assembled versions
- suitable for any application
- quick replacement of defective units during ongoing operation

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL 1977

Note for the US market	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.
Rated voltage (UL 1977)	600 V
Rated current UL 1977	23 A

General information

Note on contact resistance approx. 1 m Ω of contact resistance

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approx. $0.25~\text{m}\Omega$ contact transition plug/socket

Conn	ection	data

Total number of potentials	5
Number of levels	1
PE function	Preceding PE contact

5

Connection 1

Pole number		
Pole milioer		

Physical data

Pin spacing	10 mm / 0.394 inches
Width	47 mm / 1.85 inches
Height	18.1 mm / 0.713 inches
Height from the surface	14.6 mm / 0.575 inches
Depth	26 mm / 1.024 inches
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter with tolerance	1.5 ^{(-0.1} ^{+0.1)} mm

Mechanical Data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	L3 L2 L1
Potential marking	L3 L2 L1
Mating force of a plug-in connection	approx. 20 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 20 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Design	angled

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	Yes

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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
Mating direction to the PCB	0 °
Locking lever	yes
Locking of plug-in connection	locking lever
Note on locking system	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).

PCB contact

PCB contact	ТНТ
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

Material data

Note (material data)

Information on material specifications can be found here

Color	black
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.265 MJ
Weight	10.6 g

Environmental requirements

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

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Commercial data

20 (Winsta)
27-44-06-05
27-44-06-05
EC002560
EC002560
NO DATA
50 pcs
box
PL
4044918524636
85366990990

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	EN 61535	71-
KEMA	DEKRA Certification B.V.		123228
	CCA DEKRA Certification B.V.	IEC 61535	NL -84761
	cURus	UL 1977	E45171
c FL °us	Underwriters Laboratories Inc.		
	cURus	UL 1059	E 45172
c SN °us	Underwriters Laboratories Inc.		

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity	-	-

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Approvals for marine applications			
Logo	Approval	Additional Approval Text	Certificate name
ABS.	ABS American Bureau of Shipping	-	19- HG1868589- PDA
DNV DNV.COM/AF	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
CA LOS TO THE PROPERTY OF THE	LR Lloyds Register	IEC 61984	LR22429487TA

Counterpart

S Sill	Item no.770-105 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-105
THE PARTY	Item no.770-205 Socket; 5-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-205
SAM	Item no.770-305 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-305
Will with	Item no.770-405 Socket; 5-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-405
	Item no.771-9995/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; black	www.wago.com/771-9995 /006-101
	ltem no.771-9995/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; black	www.wago.com/771-9995 /106-101

Required accessories

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Cover

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Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

Optional accessories

Codir	
Coair	

Coding



Item no.: 770-401

Coding pin; for plugs; Plastic; gray

www.wago.com/770-401

Downloads CAD/CAE-Data

CAD data

2D/3D Models 770-815/011-000	URL	Download
CAE data		
EPLAN Data Portal 770-815/011-000	URL	Download
ZUKEN Portal 770-815/011-000	URL	Download
EPLAN Data Portal 770-815/011-000	URL	Download
PCB Design		
Symbol and Footprint 770-815/011-000 CAx data for your PCB design, consisting of "schematic symbols and PCB footprints",	URL	Download

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000

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allow easy integration of the WAGO component into your development environment.

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- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Asset Administration Shell

Asset Administration Shell 770-815/011-000 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-815/011-000 URL Download Plug for PCBs; angled; 5-pole; Cod. A; black

Installation Notes

Product family

WINSTA® MIDI

Show all products from the family

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