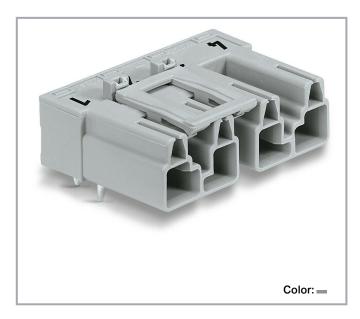
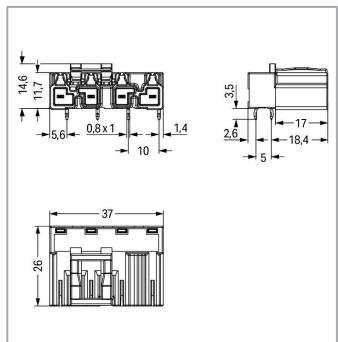
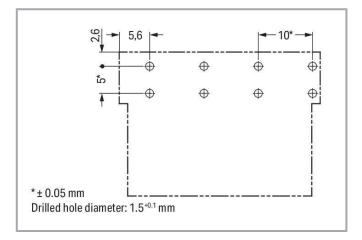
Plug for PCBs; angled; 4-pole; Cod. B; gray

www.wago.com/770-854/011-000









Item description

Male connector/plug WINSTA® MIDI rated current 25 A

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Reliably secure electrical installations with exceptional connection technology: The WINSTA® MIDI male connector/plug. Our pluggable PCB connectors give you a universal pluggable connection system for your devices that meets all the conditions for a robust device connection. For greater protection in electrical installations, the pcb connector is provided with mechanical protection against mismating. Solutions like the WINSTA® MIDI pcb connectors with B coding are appropriate for applications related to process control, such as for lighting or within data networks. This pcb connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. Our WINSTA® MIDI product line achieves flexibility for the installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers flexibility for meeting various installation requirements.

Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MIDI

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Use of this pre-assembled system reduces assembly times and errors during installation at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MIDI pcb connectors with marking from WAGO.

- protection against mismating eliminates errors
- for automation controllers
- with B coding for controllers, for example lighting fixtures and sun blinds
- quick replacement of defective units during ongoing operation

Data Notes

Variants:	Other pole markings
	Other versions (or variants) can be requested from WAGO Sales or
	configured at https://configurator.wago.com/.

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
Note (rated current)	25 A for 3-pole load 20 A for 4-pole load
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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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

Note on contact resistance	approx. 1 m Ω of contact resistance
	approx. 0.25 m Ω contact transition plug/socket

Connection data

Total number of potentials	4
Number of levels	1

Connection 1

Pole number	4

Physical data

Pin spacing	10 mm / 0.394 inches
Width	37 mm / 1.457 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	Control technology
Coding	В
Variable coding	Yes
Marking	4321
Potential marking	4321
Mating force of a plug-in connection	approx. 20 70 N (depending on pole number)

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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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
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	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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

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Fire load	0.206 MJ
Weight	8.7 g

Environmental requirements

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

Commercial data

Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 8.0	EC002560
ETIM 7.0	EC002560
PU (SPU)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4017332802543
Customs tariff number	85366990990

Environmental Product Compliance

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	EN 61984	2173495.01
KEWA	DEKRA Certification B.V.		
	CCA	IEC 61984	NL-32104
	DEKRA Certification B.V.		
	cURus	UL 1977	E45171



Declarations of conformity and manufacturer's declarations

Underwriters Laboratories Inc.

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- 3	<u> </u>		
Logo	Approval	Additional Approval Text	Certificat name
ϵ	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK CA	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
pprovals foi	marine applications		
Logo	Approval	Additional Approval Text	Certificate name
ABS.	ABS American Bureau of Shipping	-	19- HG1868589- PDA
(DNV	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6



LR Lloyds Register IEC 61984 LR22429487TA

Counterpart



Item no.771-9994/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; gray

www.wago.com/771-9994 /005-103



Item no.770-244

Socket; 4-pole; Cod. B; 4,00 mm²; gray

www.wago.com/770-244



Item no.771-9994/105-103

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; /105-103 1 m; 1,00 mm²; gray

www.wago.com/771-9994

Required accessories

Cover

Cover

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Item no.: 770-360

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

www.wago.com/770-360

Optional accessories

\sim \sim	:
t.on	ina

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 770-854/011-000	URL	Download
CAE data		
EPLAN Data Portal 770-854/011-000	URL	Download
ZUKEN Portal 770-854/011-000	URL	Download
EPLAN Data Portal 770-854/011-000	URL	Download
PCB Design		
Symbol and Footprint 770-854/011-000 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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-854/011-000 Plug for PCBs; angled; 4-pole; Cod. B; gray URL

Download

Installation Notes

Product family

WINSTA® MIDI

Show all products from the family

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