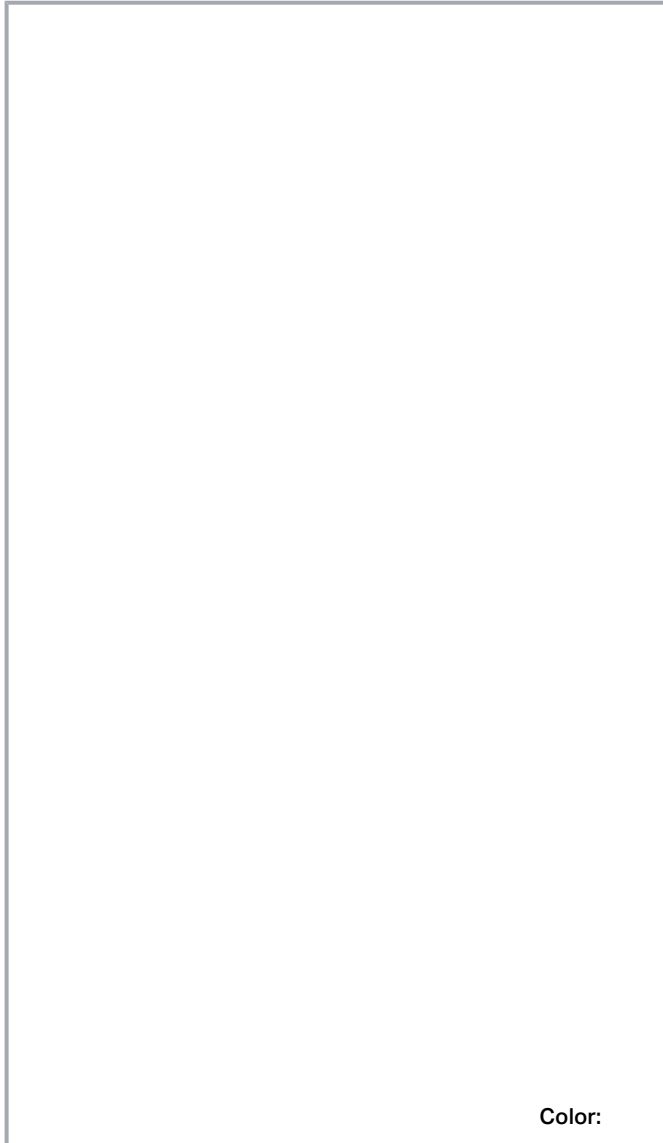


**Data sheet | Item number: 770-1334**  
Plug; 4-pole; Cod. Q; 4,00 mm<sup>2</sup>; green

[www.wago.com/770-1334](http://www.wago.com/770-1334)



**Color:**



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

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## Item description

### Male connector/plug *WINSTA*® MIDI Q coding

The *WINSTA*® MIDI male connector/plug 4-pole provides the foundation for assembly of fine-stranded and solid conductors. WAGO pluggable installation connectors are useful when criteria repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This pluggable installation connector can be used for electrical currents up to 32 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 exemplary electrification. Thanks to the built-in test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and expense.

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

*WINSTA*® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Now you can also cut installation costs without compromising quality and safety: The *WINSTA*® MIDI pluggable installation connector with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- for automation controllers
- exact dimensions
- rapid, structured electrical installation

## 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	32 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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

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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 information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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## Connection data

Connection points	4
Total number of potentials	4

## Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	4 mm <sup>2</sup> / 12 AWG
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 insulated ferrule	0.25 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup> / 20 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm <sup>2</sup> / 16 AWG
Strip length	9 mm / 0.35 inches
Pole number	4
Conductor entry direction to mating direction	0°

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	40 mm / 1.575 inches
Height	12.9 mm / 0.508 inches
Depth	37.5 mm / 1.476 inches

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## Mechanical Data

Application	for "Clean Ground" applications
Coding	Q
Variable coding	No
Marking	L PE2 PE1 N
Potential marking	L PE2 PE1 N
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
Protection type	IP20; When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

## Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> <sup>®</sup> 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
Locking lever	Can be retrofitted
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).

## Material Data

Note (material data)	Information on material specifications can be found here
Color	green
Cover color	gray

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

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Material group	I
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
Fire load	0.262 MJ
Weight	13 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

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	DE
GTIN	4045454081393
Customs tariff number	85366990990

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E 45172

#### Approvals for marine applications

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



Logo	Approval	Additional Approval Text	Certificate name
	LR Lloyds Register	IEC 61984	LR22429487TA

## Counterpart

Item no. 770-1324 Socket; 4-pole; Cod. Q; 4,00 mm <sup>2</sup> ; green	<a href="http://www.wago.com/770-1324">www.wago.com/770-1324</a>
Item no. 770-2324 Snap-in socket; 4-pole; Cod. Q; 4,00 mm <sup>2</sup> ; green	<a href="http://www.wago.com/770-2324">www.wago.com/770-2324</a>

## Required accessories

### Locking levers

Locking system	
Item no.: 770-121 Locking lever; for flying leads; for manual operation; white	<a href="http://www.wago.com/770-121">www.wago.com/770-121</a>
Item no.: 770-131 Locking lever; for flying leads; for tool operation; white	<a href="http://www.wago.com/770-131">www.wago.com/770-131</a>
Item no.: 770-101 Locking lever; for flying leads; for manual operation; black	<a href="http://www.wago.com/770-101">www.wago.com/770-101</a>
Item no.: 770-111 Locking lever; for flying leads; for tool operation; black	<a href="http://www.wago.com/770-111">www.wago.com/770-111</a>

### Strain relief

Strain relief housing	
Item no.: 770-504/023-000 Strain relief housing; 4-pole; for 2 cables; 5.0 ... 9.0 mm; 55 mm; black	<a href="http://www.wago.com/770-504/023-000">www.wago.com/770-504/023-000</a>
Item no.: 770-514 Strain relief housing; 4-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; white	<a href="http://www.wago.com/770-514">www.wago.com/770-514</a>
Item no.: 770-504 Strain relief housing; 4-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; black	<a href="http://www.wago.com/770-504">www.wago.com/770-504</a>
Item no.: 770-514/023-000 Strain relief housing; 4-pole; for 2 cables; 5.0 ... 9.0 mm; 55 mm; white	<a href="http://www.wago.com/770-514/023-000">www.wago.com/770-514/023-000</a>

## Optional accessories

### Tool

Operating tool

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



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)


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**Marking accessories**


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## Marker

Item no.: 770-450/000-002

Marker card; Plastic; yellow

[www.wago.com/770-450/000-002](http://www.wago.com/770-450/000-002)

Item no.: 770-450/000-001

Marker card; Plastic; green

[www.wago.com/770-450/000-001](http://www.wago.com/770-450/000-001)

Item no.: 770-450/000-005

Marker card; Plastic; red

[www.wago.com/770-450/000-005](http://www.wago.com/770-450/000-005)

Item no.: 770-450

Marker card; Plastic; white

[www.wago.com/770-450](http://www.wago.com/770-450)

Item no.: 770-450/000-006

Marker card; Plastic; blue

[www.wago.com/770-450/000-006](http://www.wago.com/770-450/000-006)

Item no.: 770-450/000-012

Marker card; Plastic; orange

[www.wago.com/770-450/000-012](http://www.wago.com/770-450/000-012)


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**Cover**


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## Cover

Item no.: 770-360

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

[www.wago.com/770-360](http://www.wago.com/770-360)

Item no.: 897-2005

Protective cap; Type4; for sockets and plugs; PVC; red

[www.wago.com/897-2005](http://www.wago.com/897-2005)


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**Mounting**


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## Mounting accessories

Item no.: 770-319

Snap-in frame; 4-pole; 1.0 ... 3.0 mm; black

[www.wago.com/770-319](http://www.wago.com/770-319)

Item no.: 770-339

Snap-in frame; 4-pole; 1.0 ... 3.0 mm; white

[www.wago.com/770-339](http://www.wago.com/770-339)**Downloads****Documentation****Bid Text**

770-1334

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doc - Datei		24.1 kB		

## CAD/CAE-Data

### CAE data

EPLAN Data Portal 770-1334		URL		Download
WSCAD Universe 770-1334		URL		Download
ZUKEN Portal 770-1334		URL		Download

### CAD data

2D/3D Models 770-1334		URL		Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 770-1334		URL		Download
Plug; 4-pole; Cod. Q; 4,00 mm <sup>2</sup> ; green				

## Installation Notes

### Conductor termination

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





1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



Insert the stripped solid conductor until it hits the backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

#### Conductor removal

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



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

### Installation



We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



Latch the strain relief housing onto the plug /socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.



Tighten strain relief screw with screwdriver (2.5 mm blade width).

### Product family

WINSTA® MIDI

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



[Show all products from the family](#)

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

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