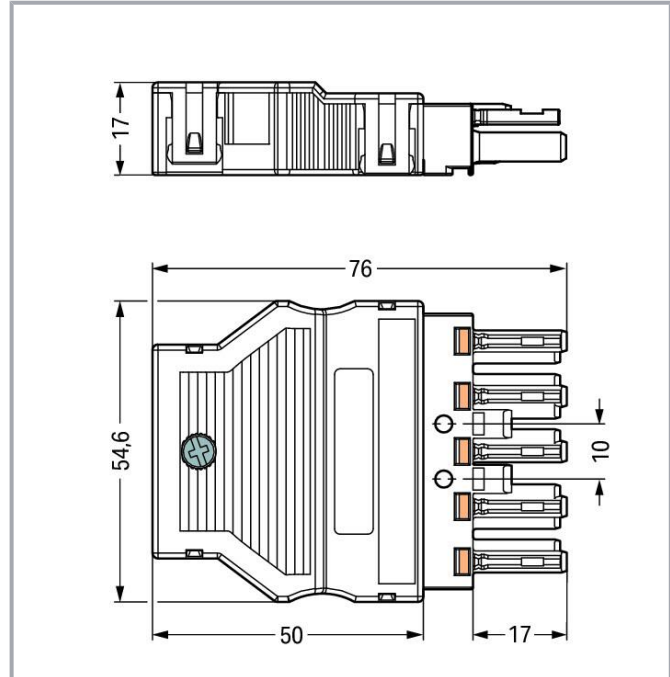
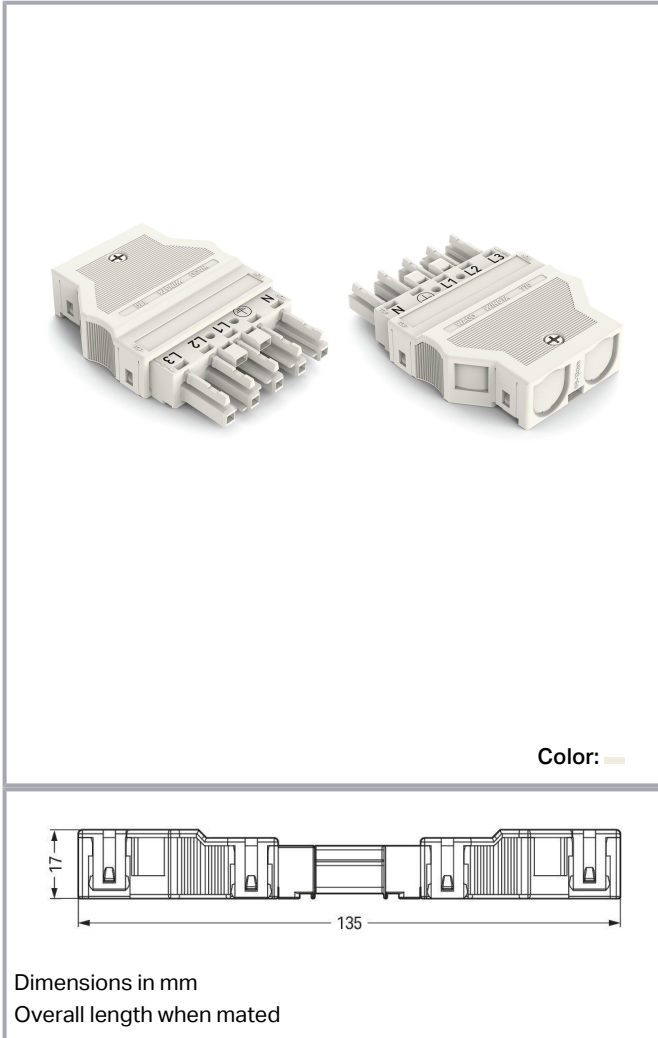


## Data sheet | Item number: 770-125

Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white

[www.wago.com/770-125](http://www.wago.com/770-125)



## Item description

### Female connector/socket WINSTA® MIDI 5-pole

For signal and power transmission: The WINSTA® MIDI female connector/socket 5-pole. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in next to no time. The coding

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

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options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers protection against contact with live components 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!)). The *WINSTA*® MIDI pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. The rated current and voltage are important criteria for selecting a pluggable installation connector: They provide information about possible domains of use and applications. This product has a current rating of 25 A – as a result it is also suitable for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, secure, tailored electrical installation. The strip length is 55 mm.

## *WINSTA*® MIDI solutions for your electrical installation – protected against mismatching and maintenance-free

The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the *WINSTA*® MIDI pluggable installation connector with protection against mismatching from WAGO makes the electrical installation of electrical components visibly easier.

- pluggable installation connectors with protection against mismatching
- simple circuits
- with A coding for a large number of applications
- flexible installation to save space
- convenient installation and commissioning

## 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

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## General

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
----------------------------	--

## Connection data

Connection points	10
Total number of potentials	5

## 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	5
Conductor entry direction to mating direction	0°
Strip length (outer insulation)	55 mm

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	54.6 mm / 2.15 inches
Height	17 mm / 0.669 inches
Depth	76 mm / 2.992 inches

## Mechanical Data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	

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



	N $\downarrow$ L1 L2 L3
Potential marking	N $\downarrow$ L1 L2 L3
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)	Female connector/socket
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).
Strain relief	strain relief housing

### Material Data

Note (material data)	Information on material specifications can be found <a href="#">here</a>
Color	white
Cover color	gray
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

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

Contact plating	Tin
Fire load	0.659 MJ
Weight	28.9 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)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918252201
Customs tariff number	85366990990

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

### Approvals / Certificates

#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61535	71- 123228
	CCA DEKRA Certification B.V.	IEC 61535	NL -84761
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

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



VDE  
VDE Prüf- und Zertifizierungsinstitut

EN 61535

40029808




VDE  
VDE Prüf- und Zertifizierungsinstitut




EN 61984

40002889

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1868589- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	LR Lloyds Register	IEC 61984	LR22429487TA

Counterpart



Item no.770-135  
Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white

[www.wago.com/770-135](http://www.wago.com/770-135)



Item no.770-235  
Plug; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white

[www.wago.com/770-235](http://www.wago.com/770-235)

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**Item no.770-335**

Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white

[www.wago.com/770-335](http://www.wago.com/770-335)



**Item no.770-435**

Plug; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white

[www.wago.com/770-435](http://www.wago.com/770-435)



**Item no.770-6225**

Linect® T-connector; 5-pole; Cod. A; 1 input; 2 outputs; white

[www.wago.com/770-6225](http://www.wago.com/770-6225)



**Item no.770-671**

T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; white

[www.wago.com/770-671](http://www.wago.com/770-671)



**Item no.770-690**

Three-phase to single-phase distribution connector; with phase selection; 5-pole/3-pole; Cod. A; 1 input; 5 outputs; white

[www.wago.com/770-690](http://www.wago.com/770-690)



**Item no.770-672**

T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white

[www.wago.com/770-672](http://www.wago.com/770-672)



**Item no.770-735**

Snap-in plug; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white

[www.wago.com/770-735](http://www.wago.com/770-735)



**Item no.770-835**

Plug for PCBs; straight; 5-pole; Cod. A; white

[www.wago.com/770-835](http://www.wago.com/770-835)



**Item no.770-735/007-000**

Snap-in plug; with direct ground contact; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white

[www.wago.com/770-735/007-000](http://www.wago.com/770-735/007-000)



**Item no.770-835/011-000**

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

[www.wago.com/770-835/011-000](http://www.wago.com/770-835/011-000)



**Item no.771-9995/006-102**

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/771-9995/006-102](http://www.wago.com/771-9995/006-102)



**Item no.771-9995/206-102**

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/771-9995/206-102](http://www.wago.com/771-9995/206-102)

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

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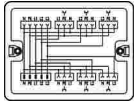
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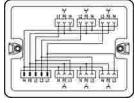
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**Item no.899-681/100-000**

Distribution box; Three-phase to single-phase current (400 V/230 V); 1 input; 7 outputs; Cod. A; MIDI; white

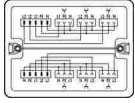
[www.wago.com/899-681/100-000](http://www.wago.com/899-681/100-000)



**Item no.899-681/105-000**

Distribution box; Three-phase to single-phase current (400 V/230 V); 1 input; 6 outputs; Cod. A; MIDI; white

[www.wago.com/899-681/105-000](http://www.wago.com/899-681/105-000)



**Item no.899-681/144-000**

Distribution box; Three-phase to single-phase current (400 V/230 V); 2 inputs; 6 outputs; Cod. A; MIDI

[www.wago.com/899-681/144-000](http://www.wago.com/899-681/144-000)

## Required accessories

### Cover

#### Cover



**Item no.: 770-201**

Lockout cap; 12-pole, separable; for sockets; Plastic; black

[www.wago.com/770-201](http://www.wago.com/770-201)



**Item no.: 770-221**

Lockout cap; 12-pole, separable; for sockets; Plastic; white

[www.wago.com/770-221](http://www.wago.com/770-221)

### Locking levers

#### Locking system



**Item no.: 770-121**

Locking lever; for flying leads; for manual operation; white

[www.wago.com/770-121](http://www.wago.com/770-121)



**Item no.: 770-131**

Locking lever; for flying leads; for tool operation; white

[www.wago.com/770-131](http://www.wago.com/770-131)



**Item no.: 770-101**

Locking lever; for flying leads; for manual operation; black

[www.wago.com/770-101](http://www.wago.com/770-101)



**Item no.: 770-111**

Locking lever; for flying leads; for tool operation; black

[www.wago.com/770-111](http://www.wago.com/770-111)

## Optional accessories

### Cover

#### Cover

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





**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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**Tool**

Wiring aid



**Item no.: 770-100**  
Wiring aid; 2- to 5-pole; Plastic; orange

[www.wago.com/770-100](http://www.wago.com/770-100)

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Operating tool



**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**

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



## Downloads

### Documentation

#### Bid Text

770-125 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
770-125 doc - Datei	2015 Jun 8	doc 24.1 kB	Download
ausschreiben.de 770-125		URL	Download

## CAD/CAE-Data

### CAD data

2D/3D Models 770-125		URL	Download
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### CAE data

EPLAN Data Portal 770-125		URL	Download
ZUKEN Portal 770-125		URL	Download
WSCAD Universe 770-125		URL	Download

## Environmental Product Compliance

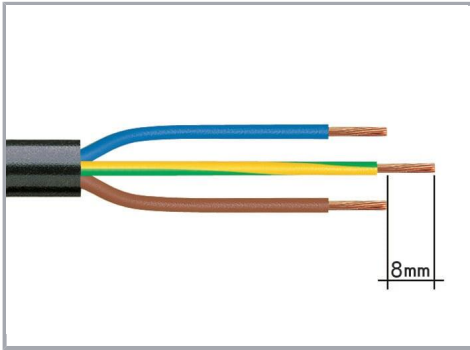
### Compliance Search

Environmental Product Compliance 770-125 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm <sup>2</sup> ; white		URL	Download
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## Installation Notes

### Conductor termination

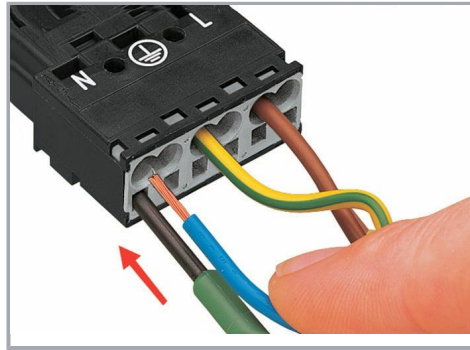
Subject to changes. Please also observe the further product documentation!



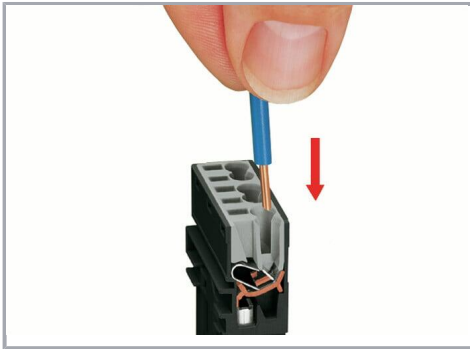
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

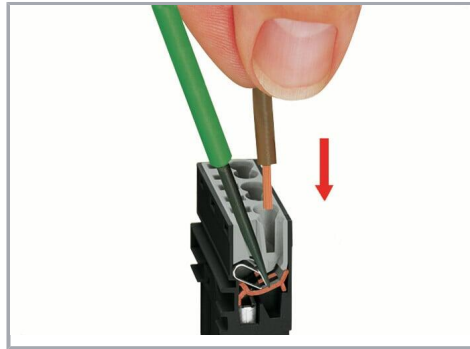
3. Extended ground conductor = 8 mm



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.



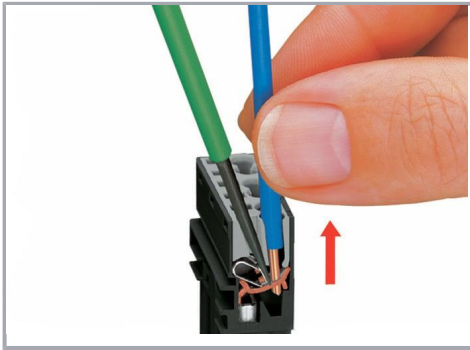
Insert the stripped solid conductor until it hits the backstop.



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.

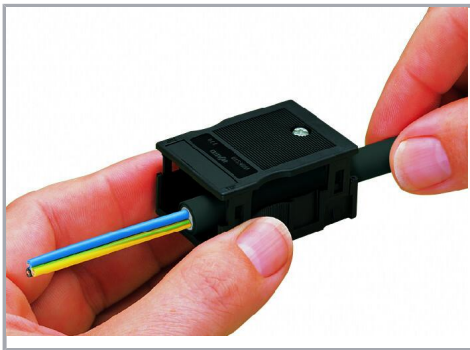
### Conductor removal

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

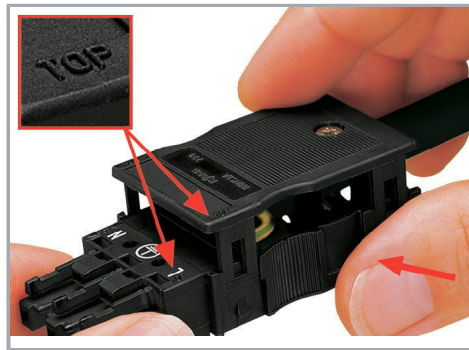


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

### Installation

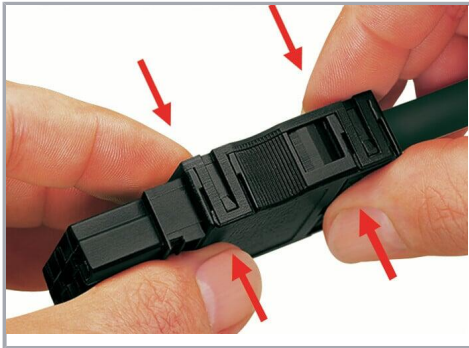


We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



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

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



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**

[Show all products from the family](#)

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