

Item description

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any location of the flat cable – one rotation per pole is all that is required

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

WAGO Kontakttechnik GmbH & Co. KG
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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.

**Note on mismatching protection:**

All WINSTA® components are 100% protected against mismatching when:

- a.) plugging different numbers of poles
- b.) plugging while rotated 180
- c.) plugging while laterally staggered
- d.) plugging one pole

Data**Electrical data**

Note on Contact Resistance

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

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	50 V
Rated impulse voltage (III / 3)	0.8 kV
Rated current	3 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Connection technology	IDC
Actuation type	Operating tool
Conductor diameter	0,6 ... 0,8 mm
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
No. of poles	2

Geometrical Data

Width	17,7 mm / 0.697 inch
Height	23,45 mm / 0.923 inch
Depth	36,8 mm / 1.449 inch

Mechanical data

Technologie	KNX
Mating force of a plug-in connection	approx. 30 ... 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Unmating force of a plug-in connection	when unlocked: approx. 15 ... 20 N

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Number of mating cycles

200

Protection class	IP20
Note on protection class	Only when mated (these compact connectors are not designed for use in open, easily accessible areas).
Application	KNX
Suitable	for flat cable 2 x 1.5 mm ²

Plug connection

Mismating protection	Yes
Locking of plug-in connection	locking lever

Material Data

Color	black
Insulating material	Polyamide 66 (PA 66)
Reaction to fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy (surface-treated)
Weight	16 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) PVC flat cable for temperatures -15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

Product Group	20 (WINSTA)
Packaging type	BOX
Country of origin	CH
GTIN	4045454267391
Customs Tariff No.	85366990990

Counterpart

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Compatible products

wiring and connectors



Item no.: 897-121

Flat cable; 2 x 1.5 mm²; PVC; 2 buses; 50 V; 1,50 mm²; light graywww.wago.com/897-121

Item no.: 897-122

Flat cable; 2 x 1.5 mm²; halogen-free; 2 buses; 50 V; 1,50 mm²; light graywww.wago.com/897-122

Downloads

CAD/CAE-Data

CAE data

EPLAN Data Portal 893-121

URL

Download

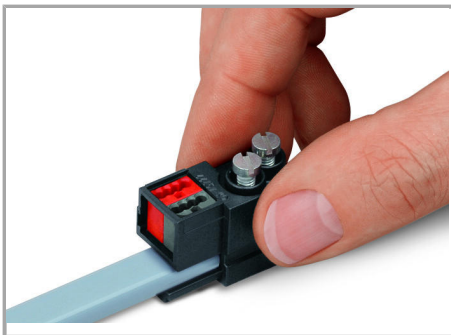
WSCAD Universe 893-121

URL

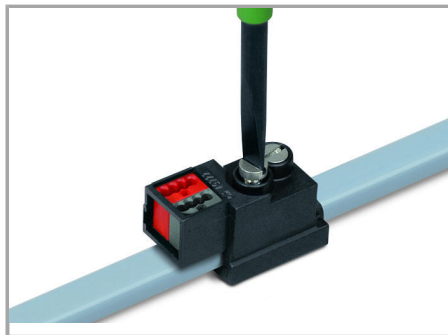
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Installation Notes

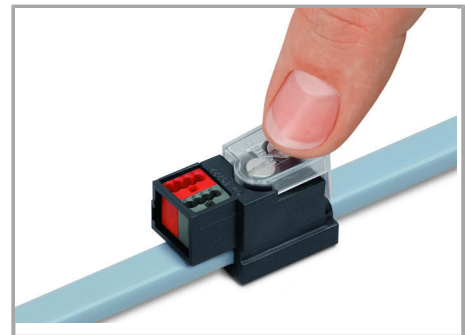
Conductor termination



The IDC module can only be mounted if the two codings match each other.



Tighten the screws to connect the flat cable.



Snap the transparent protective cover onto the module.

Observe 1 Nm of tightening torque!

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

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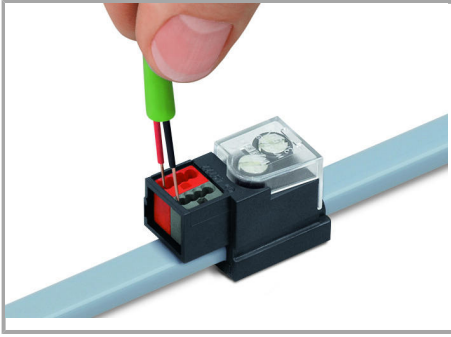
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Terminate stripped, solid conductors by simply pushing them into unit until they hit backstop.

Product family

WINSTA® IDC

[Show all products from the family](#)

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