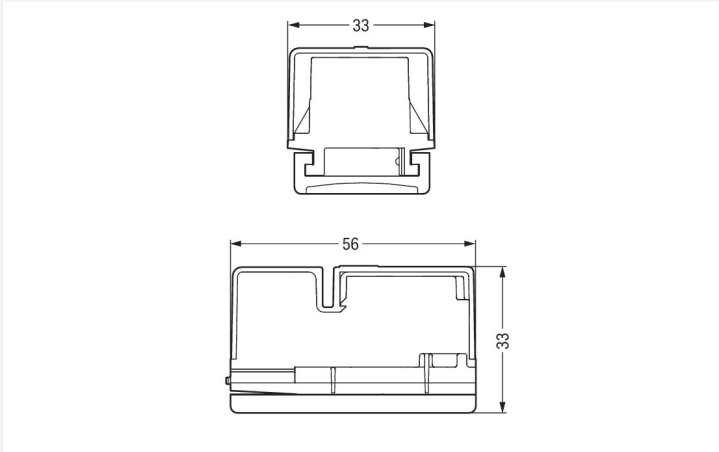
Data Sheet | Item Number: 896-231

Supply module; for flat cable; 3 x 2.5 mm²; 3-pole; gray

https://www.wago.com/896-231





Color: gray

Dimensions in mm

Supply module *WINSTA*® IDC 3-pole

The *WINSTA*® IDC supply module with protection against mismating supports fast, reliable installation. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in seconds. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). 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 24 A – therefore it is also suitable for powerful loads.

WINSTA® IDC solutions for your electrical installation – protected against mismating and maintenance-free

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – with protection against mismating from WAGO makes the electrical installation of electrical components significantly easier.

- protection against mismating eliminates errors
- products perfectly tailored to your requirements guarantee safe use
- ready to install and use immediately
- rapid, structured electrical installation

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	24 A	-	-

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

Continued on next page

Connection Data

Clamping units	3
Total number of potentials	3

Connection 1

Connection technology	Screw connection
Actuation type	Operating tool
Pole number	3
Wire cross-section	2.5 mm²

Connection 2

Connection technology	IDC connection

Physical data

Width	33 mm / 1.299 inches
Height	33 mm / 1.299 inches
Depth	55 mm / 2.165 inches

Mechanical data

Variable coding	No
Marking	plain
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Suitable	for flat cable 3 x 2.5 mm²

Plug-in connection

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

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	0.864 MJ
Weight	45 g

Continued on next page

Environmental requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

Product Group	20 (Winsta)
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	CH
GTIN	4045454004194
Customs tariff number	85369010000

Product Classification

UNSPSC	39121406
eCl@ss 10.0	27-44-06-01
eCl@ss 9.0	27-44-06-01
ETIM 9.0	EC002588
ETIM 10.0	EC002588
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 896-231

Documentation

Bid Text

896-231	19.02.2019	xml 2.87 KB	
896-231	09.01.2015	doc 22.50 KB	

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CAD/CAE-Data

CAE data
EPLAN Data Portal 896-231
WSCAD Universe 896-231

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Flat cable

Item No.: 897-232
Flat cable; B2ca; 3G 2.5 mm²; halogen-free; L + PE + N; 0.6/1 kV; 2,50 mm²; light gray

Item No.: 897-231
Flat cable; Eca; 3G 2.5 mm²; PVC; L + PE + N; 0.6/1 kV; 2,50 mm²; light gray