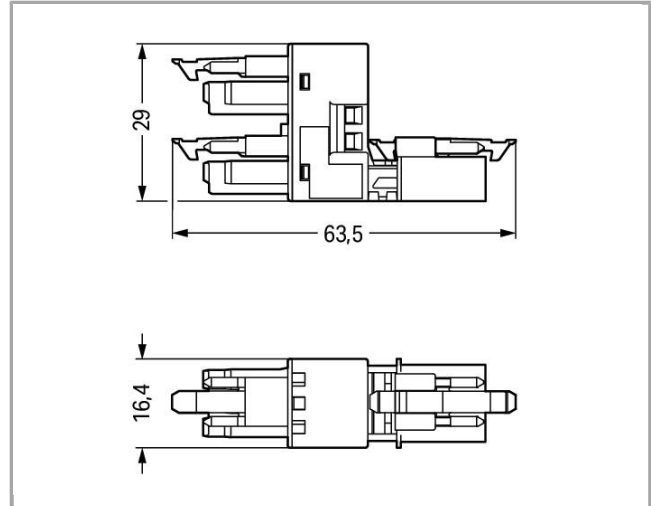


**Data sheet | Item number: 890-686**

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads



890-686



**Item description**

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

**Note:**

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).

**Safety information 1:**

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

**Data****Electrical data**

Note on Contact Resistance

approx. 1mΩ contact resistance

approx. 0.25mΩ contact transition plug/socket

**Ratings per IEC/EN 60664-1**

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	16 A

**Approvals per UL 1977**

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	14 A

**Connection data**

No. of poles	3
Total number of potentials	3
Ground function	with preceding GND contact

**Geometrical Data**

Pin spacing	4.4 mm / 0.173 inch
Width	16.4 mm / 0.646 inch
Height	29 mm / 1.142 inch
Depth	57.85 mm / 2.278 inch

**Mechanical data**

Coding	A
Mating force of a plug-in connection	approx. 20 ... 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. 20 ... 70 N (depending on pole number)
Number of mating cycles	



200, without resistive load

100, with resistive load  $I_N = 16A$ , tested (1.5mm<sup>2</sup>/AWG 16)

Type of distribution connector	h-distribution connector, unidirectional
Marking	L N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Potential marking	L N

### Plug connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

### Material Data

Color	white
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Fire load	0.248 MJ
Weight	13.743 g

### Environmental Requirements

Surrounding air (operating) temperature	-35 ... 85 °C
Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures $\leq 105$ °C



### Commercial data

Product Group	20 (WINSTA)
Country of origin	DE
GTIN	4045454404468
Customs Tariff No.	85366990990



### Approvals / Certificates

#### Country specific Approvals



Certificate

Logo	Approval	Additional Approval Text	name
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL-49482
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	71-102984
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL-35632
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	2182129.01

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 1977	E45171
	<b>UL</b> UL International Germany GmbH	UL 1977	E45171

## Compatible products

## assembling

	Item no.: 890-623 Mounting plate; 3-pole; for distribution connectors; Plastic	890-623
	Item no.: 890-673 Mounting plate; 3-pole; for distribution connectors; Plastic	890-673



Downloads

Documentation

Bid Text

890-686	Apr 4, 2012	doc	Download
WINSTA MINI 3-polig		23.0 kB	

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CAD/CAE - Smart Data

CAD data

3D Download 890-686		URL	Download
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Subject to changes.

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