

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
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

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 16 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)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	23 A

Connection data

No. of poles	4
Total number of potentials	4
Number of levels	1

Geometrical Data

Pin spacing	10 mm / 0.394 inch
-------------	--------------------

Width	37 mm / 1.457 inch
Height	29.5 mm / 1.161 inch
Height from the surface	26 mm / 1.024 inch
Depth	14.6 mm / 0.575 inch
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	1.5 ^(-0.1 ... +0.1) mm

Mechanical data

Coding	B
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 $I_N = 25A$, tested (4 mm ² /AWG 12)
Design	straight
Marking	1 2 3 4
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Potential marking	1 2 3 4

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	90°
Locking of plug-in connection	locking lever
Locking lever	yes

PCB contact

PCB contact	THT
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.157 MJ
Weight	8.478 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 ≤ 105 °C

Commercial data


Product Group	20 (WINSTA)
Country of origin	DE
GTIN	4017332802451
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
	CCA DEKRA Certification B.V.	EN 61984	2173495.01

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1241528- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

**DNV GL**

Det Norske Veritas, Germanischer Lloyd

-


TAE00001Z6

**LR**



Lloyds Register

IEC 61984

02/20050
(E6)**UL-Approvals**

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171 Sec. 9

Compatible products**protection**

	Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets	770-201
	Item no.: 770-221 Lockout cap; for socket; 12-pole; separable	770-221

Downloads**CAD/CAE - Smart Data****CAD data**

3D Download 770-844	URL	Download
---------------------	-----	----------

Subject to changes.