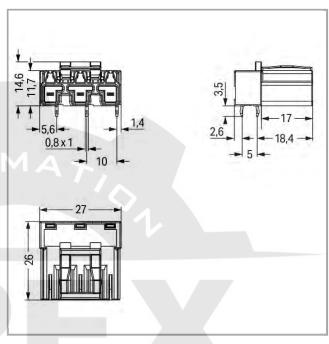
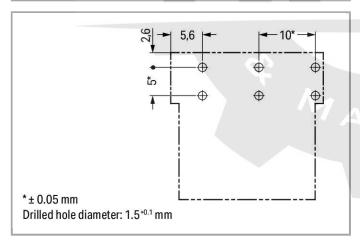
Plug for PCBs; angled; 3-pole; Cod. B; light green

770-873\_011-000\_073-000









## Item description

- Protected against mismating 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

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#### 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.

### **Electrical data**

Note on Contact Resistance	approx. $1m\Omega$ contact resistance approx. $0.25m\Omega$ 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	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

Total number of potentials	3	
Number of levels	MACH	
No. of poles	3	

### **Geometrical Data**

Pin spacing	10 mm / 0.394 inch
Width	27 mm / 1.063 inch
Height	18.1 mm / 0.713 inch
Height from the surface	14.6 mm / 0.575 inch
Depth	26 mm / 1.024 inch
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	1.5 <sup>(-0.1</sup> +0.1) mm

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### Mechanical data

Coding	В
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 <sub>N</sub> = 25 A, tested (4 mm²/AWG 12)

Design	angled
Marking	1 2
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

# Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	0°
Locking of plug-in connection	locking lever
Locking lever	yes

# **PCB** contact

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

## **Material Data**

Color	light green
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	0.145 MJ
Weight	6.574 g

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## **Environmental Requirements**

Processing temperature	-5 +40 ℃
Continuous operating temperature	-35 +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

### Commercial data

Country of origin	DE
GTIN	4050821553632
Customs Tariff No.	85366990990

## Approvals / Certificates

### Other Approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
c <b>FL</b> us	Underwriters Laboratories Inc.		Sec. 9

### **UL-Approvals**

			Certificate	
Logo	Approval	Additional Approval Text	name	
	cURus	UL 1977	E45171	
. <b>71</b> 2	Underwriters Laboratories Inc.		Sec. 9	

## Compatible products

### protection

84444	Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable; yellow	770-360
Coding		
-	Item no.: 770-401 Coding pin; for plugs; Plastic; gray	770-401

Downloads

CAD/CAE - Smart Data

**CAD** data

770-873\_011-000\_073-000



3D Download 770-873/011-000/073-000

URL

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Subject to changes.