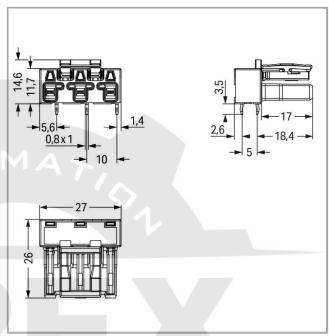
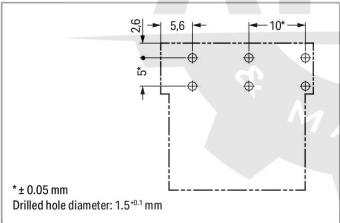
Socket for PCBs; angled; 3-pole; Cod. A

770-823/011-000









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

770-823/011-000



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. $1m\Omega$ 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

No. of poles	3	
Total number of potentials	3	
Number of levels	1	

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

770-823/011-000



Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	1.5 ^(-0.1 +0.1) mm
Mechanical data	
Coding	Α
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	angled
Marking	LN
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	L N
Plug connection Contact type (pluggable connector)	Female connector/socket
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	тнт
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2
Material Data	
Color	white
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO
Clamping spring material	Chrome nickel spring steel (CrNi)

770-823/011-000



Contact mat	terial	Copper or copper alloy, surface-treated	
Fire load		0.117 MJ	
Weight		6.366 g	
Environmer	ntal Requirements		
Surrounding	g air (operating) temperature	-35 85 °C	
Processing t	temperature	-5 +40 °C	
Continuous	operating temperature	-35 +85 ℃	
Note on Cor	ntinuous Service Temperature	Insulating parts for temperatures ≤ 105 °C	
Commercia	al data		
Country of o	prigin	DEA	
GTIN		4044918684750	
Customs Ta	riff No.	85366990990	
Approvals /	Certificates		
Country spec	ific Approvals		
			Certificate
Logo	Approval	Additional Approval Text	name
KEMA	CCA DEKRA Certification B.V.	EN 61535	2173495.02
	CCA	IEC 61535	NL-32105
	DEKRA Certification B.V.		
Ship Approva	is		
			Certificate
Logo	Approval	Additional Approval Text	name
ABS.	ABS	ALF	14-
7 3 6	American Bureau of Shipping		HG1241528- PDA
AND ROVED THE			PDA
AROVED A.	DNV GL		TAE00001Z6
San Maria Contraction of the Con	Det Norske Veritas, Germanischer Lloyd		
DNV-GL			
AND THE REAL PROPERTY.	DNIVO		TAF0000476
Separation of the Contraction of	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
DNV-GL	· · · · · · · · · · · · · · · · · · ·		
MARITIME			
	LR Lloyds Register	IEC 61984	02/20050 (E6)

770-823/011-000



UL-Approvals

Logo Approval Additional Approval Text Certificate name

cURus UL 1977 E45171
Underwriters Laboratories Inc. Sec. 9



Compatible products

protection

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

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

770-221

Downloads
CAD/CAE - Smart Data

CAD data

3D Download 770-823/011-000 URL Download

Subject to changes.