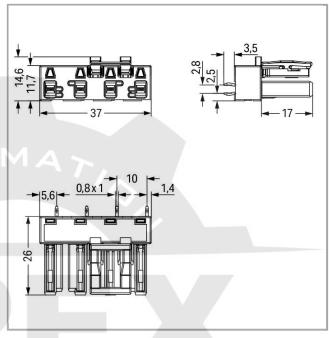
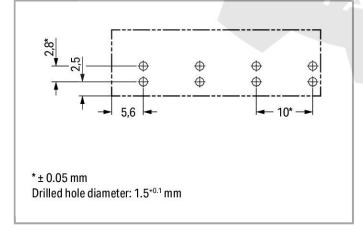
Socket for PCBs; straight; 4-pole; Cod. B

770-844









Item description

770-844



- 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

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-

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

770-844



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	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 $I_N = 25A$, tested (4 mm ² /AWG 12)
Design	straight
Marking	1234
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	1234

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	ТНТ
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

770-844



Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO
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.	1	IEC 61984	NL-32104
	CCA		EN 61984	2173495.01



DEKRA Certification B.V.

Ship Approvals

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

770-844







DNV GL

Det Norske Veritas, Germanischer Lloyd

TAE00001Z6



LR

Lloyds Register

02/20050 (E6)

UL-Approvals

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

IEC 61984

Compatible products

protection

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



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.