



S612

175A / 690V Cam Switch

Main Features:

The S612 switch is designed for main and auxiliary circuits operated by hand as ON/OFF, code, gang, changeover, multi-step, instrument or motor switches. The modular design offers different switching stages which can be easily assembled and disassembled. Spring pressure keeps the bridge closed and a cam disk opens it forcibly.

- Sturdy, double-pivoted stop ensures precise switching.
- Switching stages, latching mechanisms and cover plates are bolted together to form the basic switch.
- Three cam disks per switching stage prevents unilateral lifting forces to the slide.
- Switching angles of 30, 45, 60 and 90 degrees are available.
- Dust protection cover, cylinder locking, padlockable handle options available.



Building the Part Number ...

	Mounting Units	
	A	B
Front	E03	E13
Rear	E02	E12
Front & Rear	E10	E14

	Escutcheon Plates	
	A	B
Square		
Order	6PS	8PS
Dimen. (H)	3.47"	5.12"
Dimen. (W)	3.47"	5.12"

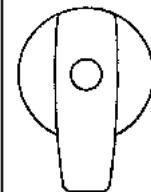
Rectangular		
Order	6PR	8PR
Dimen. (H)	3.47"	5.12"
Dimen. (W)	4.33"	5.91"

Combination of escutcheon and handle			
Escutcheon	Legend Plate	Handle	Order No.
Black	Silver	Black	...M1/G1
Grey	Silver	Grey	...M2/G2
White	Silver	White	...M3/G3
Yellow	Yellow	Red	...M4/G4
Black	Silver	Red	...M5/G5

See reverse side for dimensions. If rear mounting is needed, long shaft or door interlock must be specified in the order.

Handles / Operators

M-Handle



	mm	in.
L	50	1.97
W	67	2.64
D	44	1.73

...M1

G-Handle



	mm	in.
L	120	4.72
W	50	1.97
D	54	2.13

...G1

Standard handle: Black. See "Combinations of escutcheon and handle" table to the left for other color selections.

Ordering Information

- Determine basic switching design.** Standard switches may be selected from the standard switch listing. We require the number of positions; contact closure in each position.
- Select mounting unit.** Type A -- Standard Mounting -- Size 2 (S2 switches); Type B -- Larger Mounting -- Size 4 (use on S2 switches).
- If escutcheon plate** (name plate) is desired, select appropriate item.
- Choose a handle** to operate switch.

Note: If "A" is selected, choose matching units from "A" column.

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PC&S strives to meet customer requirements and exceed expectations. We do this through monitoring and measuring our process and product, customer satisfaction, internal auditing, analysis of production data, continual improvement including corrective and preventative action. Our quality management systems are certified in accordance with ISO 9001:2008 standards.

AC Ratings

Operational Current 690V

Continuous Current

UL/CSA	300V,AC	175A
Gen Use	600V,AC	175A

Uninterrupted Current 160A

Operational Power (50-60Hz, 3 ph.)

110V-120V,AC	15 hp
208V,AC	15 hp
220V-240V,AC	15 hp
440V-480V,AC	40 hp
550V-600V,AC	50 hp

Breaking Capacity

220V-240V,AC	900A
380V-440V,AC	850A
500V-690V,AC	340A

Impulse Withstand Voltage 6 kV

Rating acc.

IEC 60947	
Operational Current (I_e)	160A
Operational Power (380V-440V,AC)	75 kW

UL / CSA

General Use	175A
DOL-Rating (440-480V, 3 ph.)	40 hp

Mechanical Details

American Wire Gauge 2/0 AWG

Thread Dim. for Terminal Screw 2x M6

Terminal Torque Tightening

min.	2.5 nm
max.	6.0 nm

Mounting Forms

- Front mount, 4-hole, 68 x 68mm
- Base mount, 4-hole, 68 x 68mm

Handles / Operators

- M-Handle
- G-Handle

Options

- Cylinder lock
- Door clutch
- Door clutch, interlock, padlock device

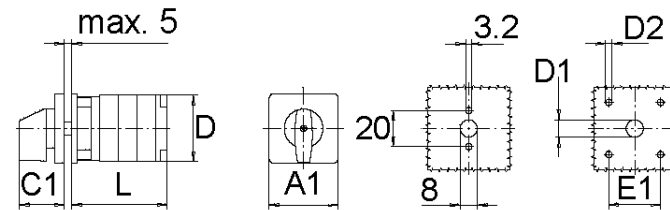
Standards

UL	508
CSA	22.2, No. 14
IEC	60947, 60204
EN	60947, 60204

Approvals

UL File No. E72290

Dimensions



	mm	in.
A1	88	3.46
C1	52	2.05
D	88	3.47
D1	15	0.59
D2	5.5	0.22
E1	68	2.68

'L'	Stages	1	2	3	4	5	6	7
Dimensions	Length (in.)	2.83	4.09	5.35	6.61	7.87	9.13	10.39

Max. 12 stages. Each additional stage adds 1.26" (32mm)



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