Series 20
Front Panel Mount, Plastic Case
Pushbutton Switch
Illuminated and Non-Illuminated Models

ELECTRO-MECH
COMPONENTS

P/N: 29-228PC,L619C-Y

P/N: 21-250,L611B

* Momentary or Alternate Action switching actions

* SPST - DPDT switch circuitry

* Easy lamp replacement from front

* T 1-3/4 midget flange-based lamp or LED enhanced by replaceable lens covers available in standard EMC colors

* Seven button sizes all mount into same sized 5/8" diameter mounting hole

* Low profile appearance in one unitized switch housing.

Available options include:
GP = gold plated contacts for low level switching
PC = printed circuit board terminals
AF = round slotted nut

Other custom designs have included matching indicator lights, non-lighted switches, clip spring mounting. Housing color can be custom molded.

Electro-Mech's Series 20 switches are provided in 1/2", 5/8", and 3/4" square or round, and 1/2" x 3/4" display configurations, all mounting in the same size 5/8" diameter round mounting hole from the front of the panel. These low profile units are available in any switching mode with independent lamp circuitry from SPST to DPDT. The all plastic, unitized housing assures ease in handling (no adapters, clamps, or brackets). Just drop the switch in the round hole and secure with a hex nut or round slotted nut from behind the panel.

Series 20 switches have the same internal parts as the all metal Series 6100, including positive action, reliable circuitry and proven low bounce characteristics made possible by our unique design concept of silver slide bar action.

electro-mech

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Specifications:

Ratings:	30 volts DC or 125 volts AC; 2.0A resistive, 0.5A inductive
Weight:	0.8 oz. (23 g) (approx.)
Operating Pressure:	2 lbs.$\pm$ 1 lb. (908g $\pm$ 454g)
Plunger Travel:	0.125 nominal (3.2mm)
Actuations:	100,000 minimum
Contacts:	Silver plated (gold plating optional)
Terminals:	Standard EMC solder lug. Accepts two 20 AWG wires. 'PC' pins avail.
Lens:	Accommodates EMC Series 20 lens. See Lens Table at right.
Lamp or LED:	Accommodates one T 1-3/4 (5mm) midget flange base lamp or LED. Lamp circuit is independent.
'LK' Option:	Optional anti-rotation Locating Key.

Lens Table

Model	Lens P/N*	Description
21-xxx	L611	1/2" square lens
22-xxx	L612	1/2" round lens
23-xxx	L613	5/8" square lens
24-xxx	L614	5/8" round lens
25-xxx	L615	3/4" square lens
26-xxx	L616	3/4" round lens
29-xxx	L619	1/2" x 3/4" rectangular lens

How to Order:
L61NX = solid color lens (e.g. L612W)
L61NX/X = solid color lens w/ color filter (e.g. L611W/G)
L61NC-X = clear overcap w/ legend plate (e.g. L616C-R)
L61NC-X/W = clear cap w/ plate & filter (e.g.L615C-W/Y)
* All solid colored lens caps include a filter layer for better light diffusion.

Part Number Table:

Action	SPST 1N.O.	SPST 1N.C.	2PST 2N.O.	2PST 2N.C.	2PST 1N.O. 1N.C.	1PDT	2PDT	Notes:
Momentary	2x-128	2x-129	2x-130	2x-131	2x-132	2x-149	2x-150	
Snap Feel Mom.	2x-528	2x-529	2x-530	2x-531	2x-532	2x-549	2x-550	Artificial click in momentary travel.
Push-On/Push-Off	2x-228	2x-229	2x-230	2x-231	2x-232	2x-249	2x-250	
Push-On/Remain-In/ Push-Off	2x-828	2x-829	2x-830	2x-831	2x-832	2x-849	2x-850	Button is physically depressed in down position.
Terminals Used:	2-5	2-5	1-2, 4-5	2-3, 5-6	1-2, 5-6	1-2-3	1-2-3, 4-5-6	See schematic below for terminal location.

For non-illuminated version, specify the digit "1" as prefix to three digit circuitry (e.g. 2x-1150). Indicator only is 2x-210.

Series 20 Specifications (not to scale)

P/N 21-XXX SHOWN

BASE VIEW

SCHEMATIC

RECOMMENDED MOUNTING HOLE

21-XXX   22-XXX   23-XXX   24-XXX   25-XXX   26-XXX   29-XXX