

New!

ES series

Heavy-duty emergency stop

Distinctive features and specifications



- ☐ 2 and 3-pole configurations
- ☐ Rugged version : 100.000 cycle mechanical life
- ☐ Locked/unlocked status indicator
- ☐ Lower behind-panel depth
- ☐ Sealed to IP65, IP67 and IP69K
- ☐ Complies with EN 60947-5-1

ELECTRICAL SPECIFICATIONS

- Electrical function : push-pull ON-ON
- Current/voltage rating : 1A 24VDC DC-14
- Electrical life : 6.050 cycles
- Contact resistance : 10 mΩ max.
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength : 1.000 Vrms 50 Hz min. between terminals
2.000 Vrms 50 Hz min. between poles and between terminals and frame

ENVIRONMENTAL SPECIFICATIONS

- Sealing : IP65, IP67 and IP69K according to IEC 60529 and DIN 40050
- Salt spray : 96 hours according to IEC 68-2-11
- Vibrations : 10-500 Hz - 10 g according to IEC 68-2-6
- Shock resistance : 50 g according to IEC 68-2-27
- Robustness (axial) : IK10
- Operating temperature : -40°C to +85°C
- According to EN 60947-5-1

GENERAL SPECIFICATIONS

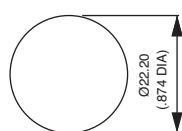
- Panel thickness : 6 mm (.236) max.
- Low level or mechanical life : 100.000 cycles
- Travel to lock : 2,20 mm ± 0,3 mm
- Total travel : 4,20 mm ± 0,3 mm
- Torque : 5 Nm min. - 14 Nm max. applied to nut
- Operating force :
2 pole models : Push : 30N ± 7N
pull : 25N ± 5N
3 pole models : Push : 45N ± 7N
pull : 25N ± 5N

MATERIALS

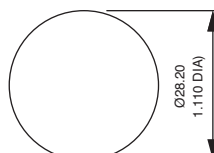
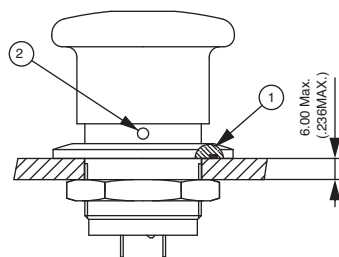
- Case : diallylphthalate (DAP)
- Actuator : aluminium, red anodised
- Bushing : aluminium, yellow anodised
- Contacts : silver, gold plated
- Terminal seal : epoxy

PANEL CUT-OUT

- ① O-ring
- ② Hole



2 pole



3 pole

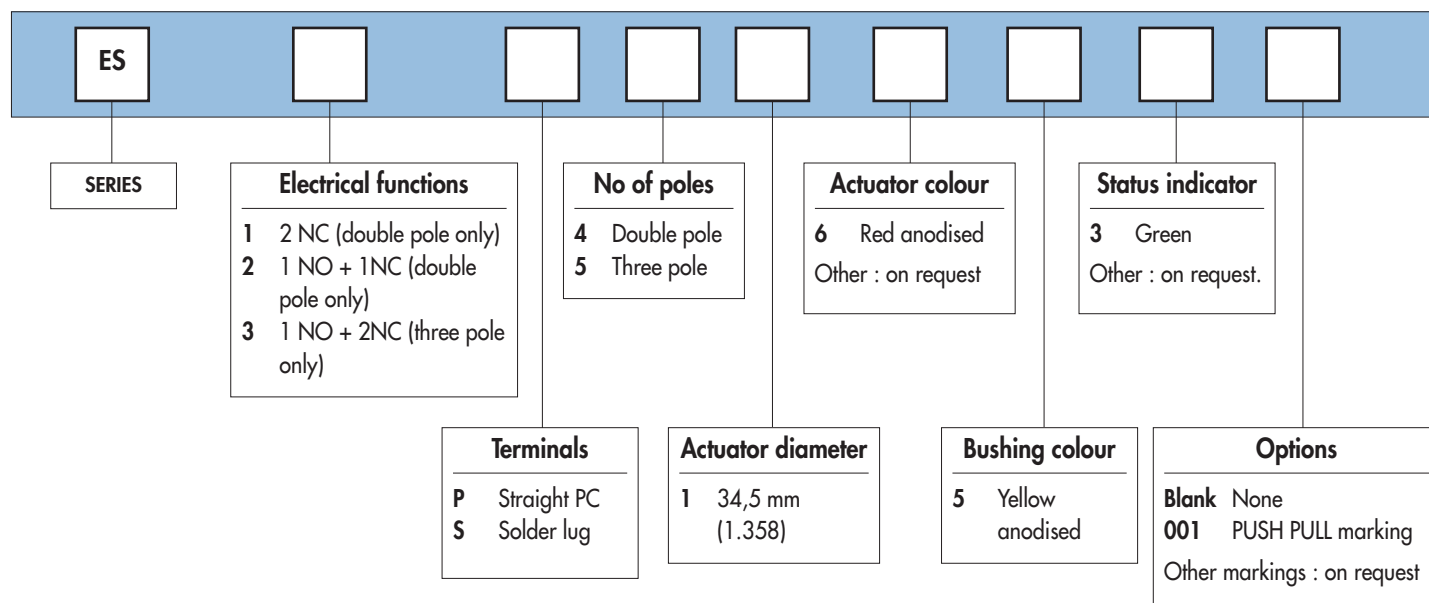
Note : the hole in the bushing is designed for insertion of a Ø 2 mm metal rod helping to fasten the switch on the panel.

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Overview



Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.



NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

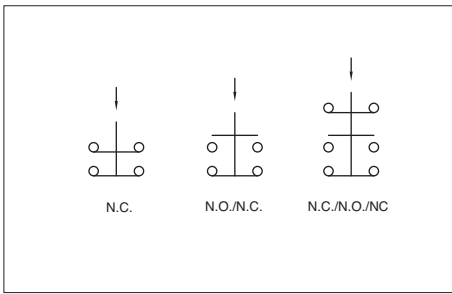


Mounting accessories : Standard hardware supplied : 1 hex nut 25 (.984) or 32 (1.260) across flats and 1 O-ring

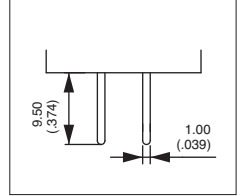


Packaging unit : 10 pieces

New!



Straight PC terminal



MODEL
STRUCTURE



Shown with solder lug terminals

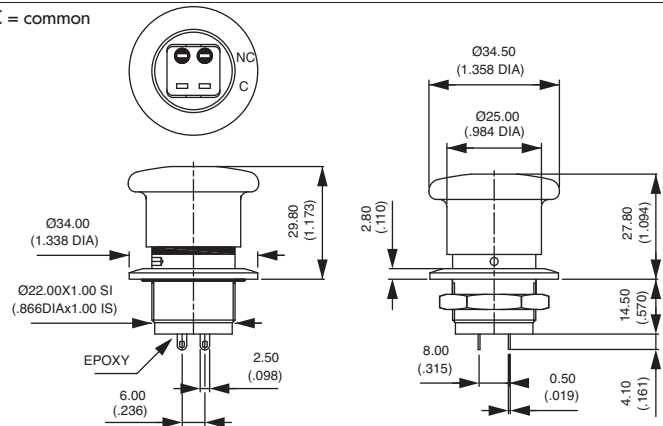
Double pole - 2 N.C. contacts



Solder lug terminals
ES1S41653

Straight PC terminals
ES1P41653

C = common



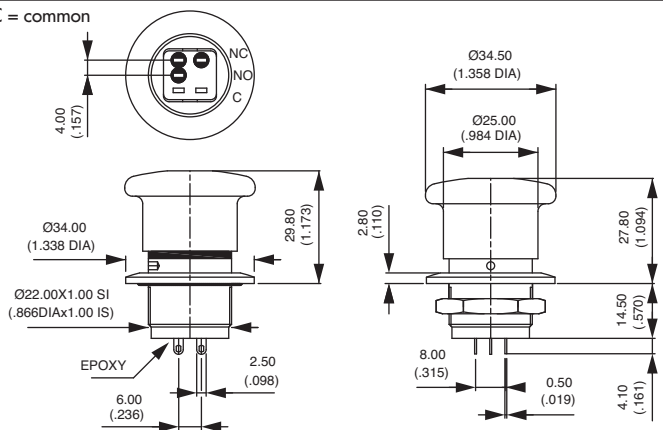
Double pole - 1 N.O. and 1 N.C. contacts



Solder lug terminals
ES2S41653

Straight PC terminals
ES2P41653

C = common



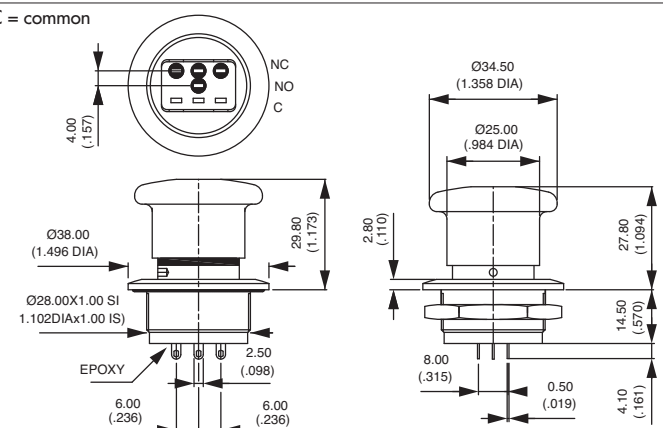
Three pole - 1 N.O. and 2 N.C. contacts



Solder lug terminals
ES3S51653

Straight PC terminals
ES3P51653

C = common



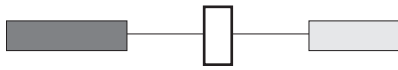
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Options

New!

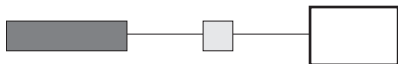
STATUS INDICATOR COLOUR



3 Green

Other : on request.

OPTIONS



Blank None
001 PUSH PULL marking

Other markings : on request

Mouser Electronics

Authorized Distributor

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[Apem:](#)

[ES3P51653](#)