

Heavy-duty emergency stop

Distinctive features and specifications



☐ 3-pole configuration now available

■ Rugged version: 100.000 cycle mechanical life

☐ Locked/unlocked status indicator

☐ Lower behind-panel depth

□ IP65 sealing

☐ 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 : $10 \text{ m}\Omega$ max.

• Insulation resistance : 1.000 M Ω min. at 500VDC

Dielectric stength: 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

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

PANEL CUT-OUT ① O-ring ② Hole 5.00 Max. .236MAX.) Ø22.20 (.874 DIA) Ø28.20 1.110 DIA) 2 pole 3 pole

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 :

2P: Push: 30N ± 7N - pull: 25N ± 5N 3P: Push : 45N ± 7N - pull : 25N ± 5N

MATERIALS

• Case : diallylphthalate (DAP)

Actuator : áluminium, red anodised

Bushing : aluminium, yellow anodised

Contacts: silver, gold plated

• Terminal seal : epoxy

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.

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

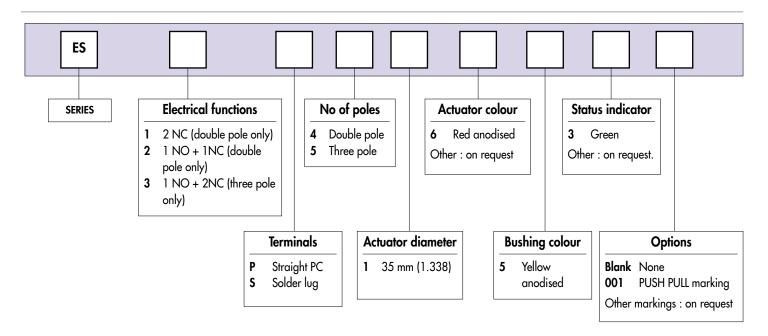
Tolerance: The general tolerance for dimensions in this brochure is ± 0.3 (.012).

Dimensions, specifications and data shown in this brochure are subject to change without notice.

ES series

Heavy-duty emergency stop

Overview





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



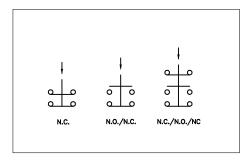
Mounting accessories: Standard hardware supplied: 1 hex nut 25 (.984) across flats and 1 O-ring



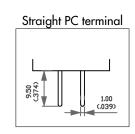
Packaging unit: 10 pieces

ES series

Heavy-duty emergency stop



Double pole - 2 N.C. contacts



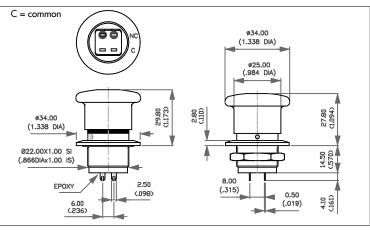
MODEL STRUCTURE



Shown with solder lug terminals

Solder lug terminals **ES1S41653**

Straight PC terminals **ES1P41653**

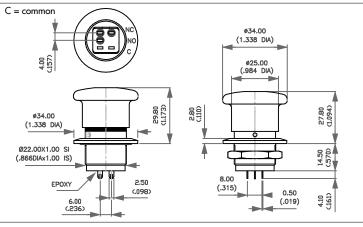


Double pole - 1 N.O. and 1 N.C. contacts



Solder lug terminals **ES2S41653**

Straight PC terminals **ES2P41653**

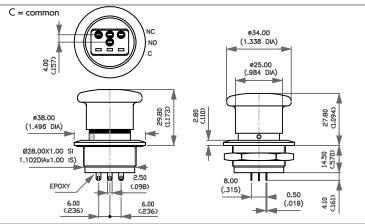


Three pole - 1 N.O. and 2 N.C. contacts



Solder lug terminals **ES3S51653**

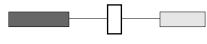
Straight PC terminals **ES3P51653**





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STATUS INDICATOR COLOUR



3 Green

Other: on request.

OPTIONS



Blank None

001 PUSH PULL marking

Other markings : on request