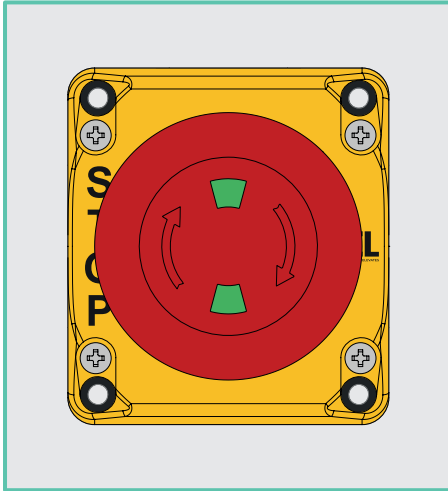



Technical features: EL AN21531-Y116



Housing

Shockproof, self-extinguishing technopolymer cover. UV resistant and double insulated: 

2 lateral knock-out entries:

M20 - M25 - PG13.5 - 1/2 NPT

2 lateral knock-out entries:

M20 - PG13.5 - 1/2 NPT

2 knock-out entries at bottom:

M16 - PG11

Base colour:

Black RAL 9005

Cover colour:

Yellow RAL 1023

Material of the screws:

Zinc-plated steel; stainless steel available on request

Protection degree acc. to EN 60529:

IP54 with cable gland of equal or higher protection degree

General data:

Ambient temperature:

-25°C ... +80°C

Cover screw tightening torque:

1 ... 1.4 Nm

Tightening torque of the fixing rings:

2.5 ... 3 Nm (emergency stop button)

General data of the emergency stop button:

Safety parameter B_{10D} :

600.000

Mechanical endurance:

300.000 operating cycles

Max. actuation frequency:

3600 operating cycles/hour

Actuation travel:

4 mm

Actuating force:

30 N

Actuating force at limit of travel:

35 N (without contacts)

Maximum travel:

9 mm

General data of the contact blocks:

Mechanical endurance:

20 million operating cycles

Max. actuation frequency:

3600 operating cycles/hour

Switching force of the contacts:

2.9 N

Actuating force at limit of travel:

5 N

Positive opening force:

17 N

Actuation speed:

min. 1 mm/s

max. 0.5 mm/s

Safety parameter B_{10D} :

40.000.000 (NC)

Material of the contacts:

silver contacts

Contact type:

"V-shape" self-cleaning contacts with quadruple contact point

Cable cross section:

min. 1 x 0.34 mm² (1 x AWG 22)

max. 2 x 1.5 mm² (2 x AWG 16)

Tightening torque:

0.6 ... 0.8 Nm

Cable stripping length:

7 mm

In compliance with standards:

IEC 60947-1, IEC 60947-5-1, EN 60947-5-1, EN 60947-1, IEC 60204-1, IEC 60947-5-5, EN 60947-5-5, EN 60204-1, EN ISO 14119, IEC 60529, EN 60529, EN IEC 63000, EN 81-20, EN 81-50, UL 508, CSA C22.2 No.14, GB/T14048.5

Quality marks (housing):



EAC approval: RU C-IT.YT03.B.00035/19

Contact block quality marks:



IMQ approval: CA02.04805

UL approval: E131787

CCC approval: 2024010305656749

EAC approval: RU Д-IT.PA07.B.37848/24

Emergency stop button quality marks:



IMQ approval:

- Low Voltage Directive: CA02.04805

- Machinery Directive: CA02.07001

UL approval: E131787

EAC approval: RU Д-IT.PA07.B.37848/24

Compliance with the requirements of:

Machinery Directive 2006/42/EC,

Low Voltage Directive 2014/35/EU,

EMC Directive 2014/30/EU, Lift Directive 2014/33/EU,

RoHS Directive 2011/65/EU

Positive contact opening in conformity with standards:

IEC 60947-5-1, EN 60947-5-1

Electrical data

Thermal current (I_{th}):	10 A
Rated insulation voltage (U_i):	250 Vac/dc
Protection against short circuits:	type gG/gL fuse 10 A 500 V
Rated impulse withstand voltage (U_{imp}):	4 kV
Pollution degree:	3

Utilization categories

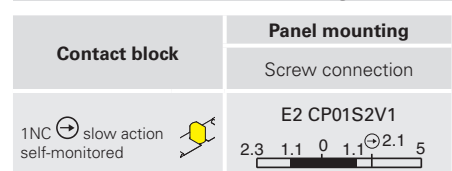
Alternate current: AC15 (50÷60 Hz)				
U_e (V)	24	48	120	250
I_e (A)	6	6	6	6
Direct current: DC13				
U_e (V)	24	48	125	250
I_e (A)	2.5	1.3	0.6	0.3

Features approved by IMQ (Emergency stop button)

Protection degree: IP67, IP69K
Compatible NC contact blocks: E2 CP01G2V●, E2 CF01G2V●, E2 CP01K2V●, E2 CF01K2V●, E2 CP01G2S●, E2 CP01K2S●, E2 CP01G2M●, E2 CF01G2M●, E2 CP01K2M●, E2 CF01K2M●, E2 CP01S2V●, E2 CF01S2V●, E2 CP11G2V●, E2 CF11G2V●, E2 CP02G2V●, E2 CF02G2V●

In compliance with standards: EN 60947-1:2007 + A1:2011 + A2:2014; EN 60947-5-1:2017 + AC:2020-05; EN 60947-5-5:1997 + A1:2005 + A11:2013 + A2:2017.

Contact block travel diagram





Pizzato Elettrica S.r.l.
 Registered office:
 Via Torino, 1
 36063 Marostica (VI) ITALY

Operational headquarters:
 Corso della Ceramica, 56/B
 36063 Marostica (VI) ITALY

Warehouse access point:
 Via Zaira Meneghin, 1
 36063 Marostica (VI) ITALY

Phone +39 0424 470 930
 info@pizzato.com
 www.pizzato.com



Features approved by UL (Housing)

Electrical Ratings: A600 pilot duty (720 VA, 120-600 V ac)
 Q300 pilot duty (69 VA, 125-250 V dc)
 For contact block series E2 C provided with clamping screw terminals: use 60 or 75 °C copper (Cu) conductor and wire size range 14-20 AWG, stranded or solid. The terminal tightening torque of 7.1 Lb In (0.8 Nm).
 For contact block series E2 C provided with screw less type terminals: use 60 or 75 °C copper (Cu) conductor and wire size range 16-24 AWG, stranded. These terminals are suitable also for stranded conductors prepared with ZMLF ferrules. Recommended stripping length: 8 mm.

Features approved by IMQ (Housing)

Rated insulation voltage (U_i): 500 V
 Conventional free air thermal current (I_{th}): 10 A
 Thermal current inside housing (I_{th}): 10 A
 Rated impulse withstand voltage (U_{imp}):
 - Screw terminals or solder terminals 8 kV;
 - Terminals without screw 6 kV.
 Protection degree of the housing:
 - Screw terminals or terminals without screw IP20;
 - Solder terminals IP00;
 - Screw terminals with dust protection cap, panel mounting only IP20.

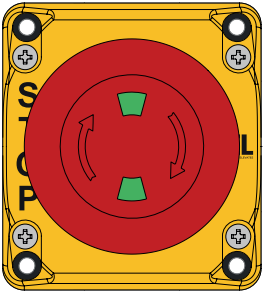
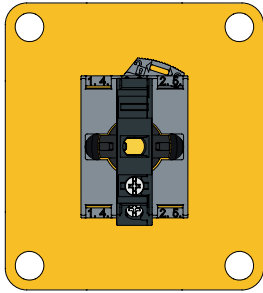

Terminals: screw terminals, solder terminals, without screw
 Utilization category: AC15
 Operating voltage (U_e): 400 Vac (50/60 Hz)
 Operating current (I_e): 3 A
 Forms of the contact element: X, Y
 Positive opening of contacts on contact blocks 01G, 01K
 In compliance with standards: EN 60947-1, EN 60947-5-1, fundamental requirements of the Low Voltage Directive 2014/35/EU.

Features approved by UL (Single contact blocks)

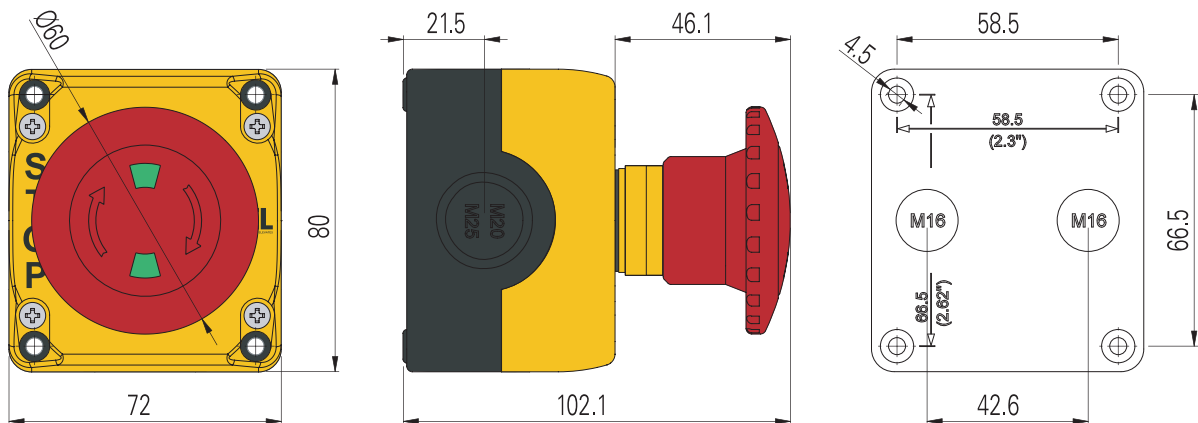
Electrical ratings: A300 pilot duty (720 VA, 120-240 V ac)
 Q300 pilot duty (69 VA, 125-250 V dc)
 Note:
 Use 60 or 75 °C copper (Cu) conductor and wire size range 16-22 AWG, stranded or solid.
 The terminal tightening torque of 7.1 Lb In (0.8 Nm).

Features approved by IMQ (Single contact blocks)

Rated insulation voltage (U_i): 250 V
 Conventional free air thermal current (I_{th}): 10 A
 Rated impulse withstand voltage (U_{imp}): 4 kV
 Protection degree of the housing: IP20
 Utilization category: AC-15
 Operating voltage (U_e): 250 Vac (50/60 Hz)
 Operating current (I_e): 6 A
 Forms of the contact element: Y
 Positive opening of contacts on contact blocks 01S
 In compliance with standards: EN 60947-1, EN 60947-5-1, fundamental requirements of the Low Voltage Directive 2014/35/EU.

EL AN21531-Y116	DEVICES	CONTACTS
  	<p>Emergency stop button Rotary release, windowed, red, yellow body with green indication Code: E2 1PERF6731</p>	<p>1 x 1NC code E2 CP01S2V1</p>

Dimensions (mm)



The drawings and data contained in this catalog are not binding and we reserve the right, to improve the quality of our products, to modify them at any time without prior notification. This publication cannot be copied in whole or in part without prior permission from the manufacturer.