

Emergency Stop 2019

Part no. ESTOP-PB 2019

Specifications

Control Station Application	Emergency stop function
Colour of Base of Enclosure	Emergency switching off function
Colour of Cover	RAL 7035 light grey
Material	RAL 1021 yellow
Operator Profile	Polycarbonate
Operators Description	1 mushroom head push-button
Reset	Red unmarked 1NC
Control Station Composition	Turn to release
	1 mushroom head Ø 40mm push-button, red
	1NC unmarked
Contacts Operation	Slow-break
Cable Entry	1 knock-out for cable entry ≤ 14 mm
	2 knock-outs for Pg 13 cable gland and ISO M20 ≤ 12 mm
Product Weight	0.194 kg
Resistance to High Pressure Washer	7000000 Pa at 55 °C, 0.1 m
Positive Opening	With conforming to EN/IEC 60947-5-1 appendix K
Operating Travel	1.5 mm NC changing electrical state
	2.6 mm NO changing electrical state
	4.3 mm total travel
Operating Force	44 N NC + NO changing electrical state
Mechanical Durability	300000 cycles
Short Circuit Protection	10 A cartridge fuse, gG conforming to EN/IEC 60947-5-1
[Ith] Conventional Free Air Thermal Current	10 A conforming to EN/IEC 60947-5-1
[Ui] Rated Insulation Voltage	600 V, degree of pollution: 3 conforming to EN/IEC 60947-1
[Uimp] Rated Impulse withstand Voltage	6 kV conforming to EN/IEC 60947-1
[Ie] Rated Operational Current	3 A at 240 V AC-15, A600 conforming to EN/IEC 60947-5-1
	6 A at 120 V AC-15, A600 conforming to EN/IEC 60947-5-1
	0.1 A at 600 V DC-13, Q600 conforming to EN/IEC 60947-5-1
	0.27 A at 250 V DC-13, Q600 conforming to EN/IEC 60947-5-1
	0.55 A at 125 V DC-13, Q600 conforming to EN/IEC 60947-5-1
	1.2 A at 600 V AC-15, A600 conforming to EN/IEC 60947-5-1
	1000000 cycles AC-15 at 2 A 230 V at 3600 cyc/h, load factor:
	0.5 conforming to EN/IEC 60947-5-1 appendix C
	1000000 cycles AC-15 at 3 A 120 V at 3600 cyc/h, load factor:
	0.5 conforming to EN/IEC 60947-5-1 appendix C
	1000000 cycles AC-15 at 4 A 24 V at 3600 cyc/h, load factor:
	0.5 conforming to EN/IEC 60947-5-1 appendix C
	1000000 cycles DC-13 at 0.2 A 110 V at 3600 cyc/h, load factor:
	0.5 conforming to EN/IEC 60947-5-1 appendix C
	1000000 cycles DC-13 at 0.5 A 24 V at 3600 cyc/h, load factor:
	0.5 conforming to EN/IEC 60947-5-1 appendix C
	$\ddot{E} < 10\exp(-8)$ at 17 V and 5 mA conforming to EN/IEC 60947-5-4
	$\ddot{E} < 10\exp(-6)$ at 5 V and 1 mA conforming to EN/IEC 60947-5-4



Electrical Durability

Electrical Reliability IEC 60947-5-4

lasermet
laser safety solutions*

Emergency Stop 2019

Part no. ESTOP-PB 2019

Environment

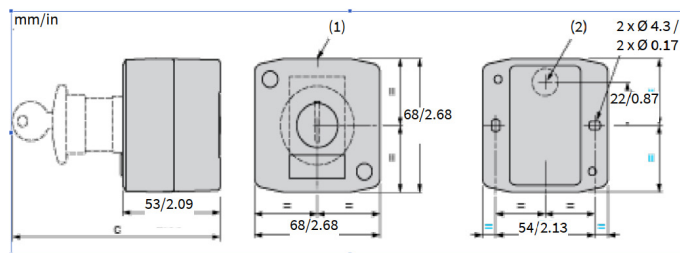
Protective Treatment	TH		
Ambient Air Temperature for storage	-40 to 70°C		
Ambient Air Temperature for operation	-40 to 70°C		
Overvoltage Category	Class II conforming to IEC 60536		
IP Degree of Protection	IP 67		
	IP 66 conforming to IEC 60529		
	IP 69K		
	IP 69		
NEMA Degree of Protection	NEMA 13		
	NEMA 4X		
IK Degree of Protection	IK03 conforming to EN 50102		
Standards	EN/IEC 60204-1	EN/IEC 60947-1	EN/IEC 60947-5-1
	EN/IEC 60947-5-4	EN/IEC 60947-5-5	EN/ISO 13850
	IEC 60364-5-53	JIS C 4520	UL 508
	CSA C22.2 No 14		
Product Certifications	CSA		
	UL listed		
Vibration Resistance	5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6		
Shock Resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27		
	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27		

Sustainability

Sustainable Offer Status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0807 - declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product Environmental Profile	Available
Product End-of-life Instructions	Need no specific recycling operations
Warranty	Warranty period 12 months / in

Dimensions

(1) 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.
 (2) Knock-out for cable entry, maximum capacity 14 mm/0.55 in.



Control station fitted with:

	mm	in
Flush Push-button	62	2.44
Pilot Light	64	2.52
Illuminated Push-button	65.5	2.58
Projecting Push-button	66	2.60
Selector Switch	80	3.15
Mushroom head Push-button	91.5	3.58
Latching Mushroom head E-stop Push-button with key	115	4.53
Key Switch	105.5	4.15

