



The ASI080TU0707-6GF12 is a compact, rugged emergency stop enclosure designed for industrial safety applications. Featuring a yellow polyamide housing with a red Ø 40 mm mushroom push-button and twist-to-release action, it ensures quick, secure operation in critical situations. The enclosure integrates 1 NO + 2 NC contact blocks and meets CE, UL, and CSA approvals.

Engineered for harsh environments, it offers IP66/IP69 and NEMA 1/4/4X protection, IK08 impact resistance (IK03 for the push-button), and operates reliably from -35°C to +80°C. Constructed from durable polyamide with a TPV gasket and stainless steel Torx fasteners, it is UV- and weather-resistant for outdoor use. Rated for 300V insulation and Class II electric shock protection, it combines safety, durability, and ease of installation for industrial control panels and emergency stop applications.

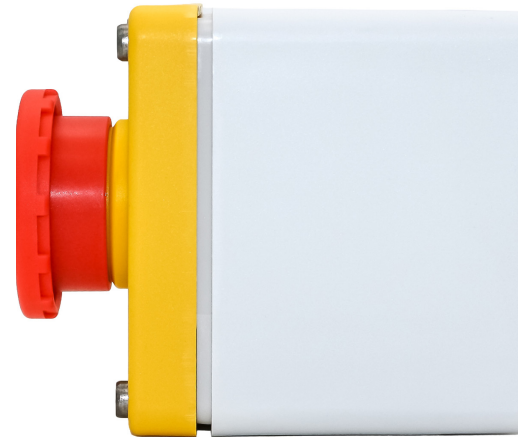
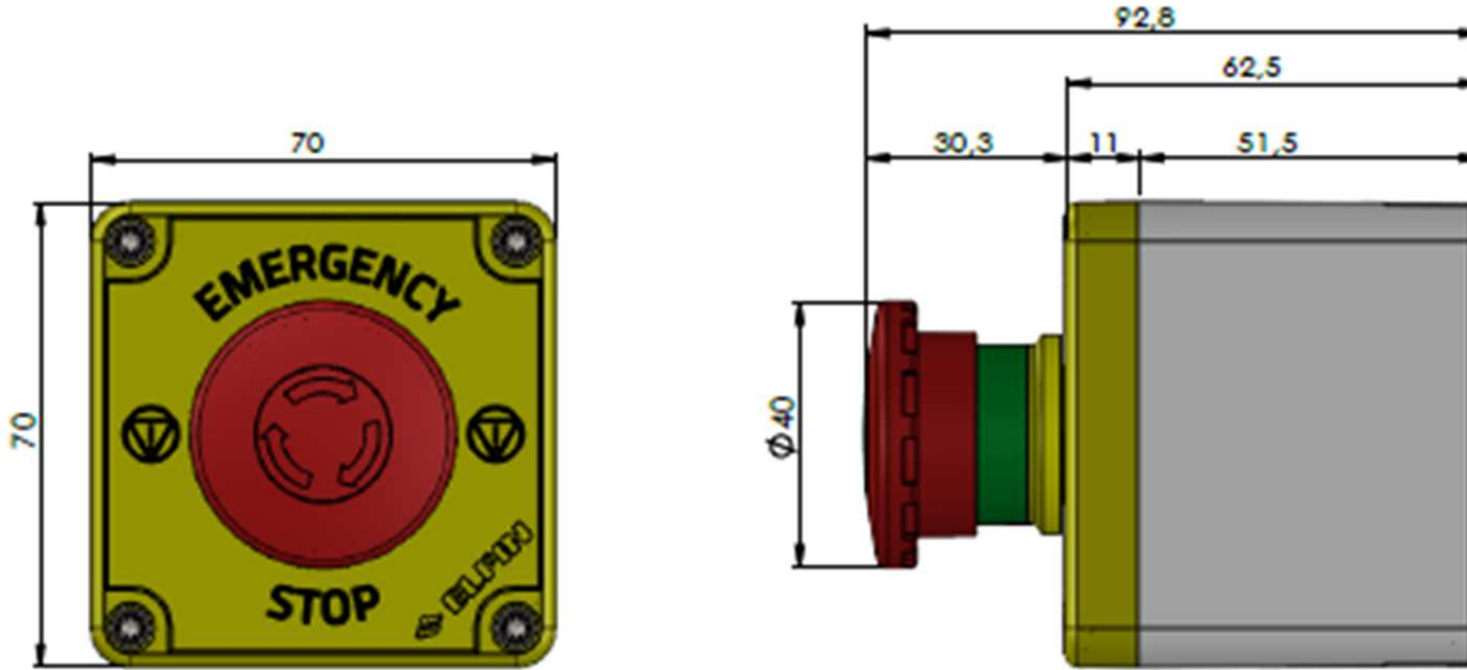
Key Features:

- Red Mushroom E-Stop with Twist-Pull Release – Provides quick and secure emergency stop functionality for industrial safety applications.
- 1 NO + 2 NC Contact Configuration – Offers reliable control with one normally open and two normally closed contacts for versatile emergency stop setups.
- Rugged Polyamide Enclosure – Durable, UV- and weather-resistant housing with a yellow lid, suitable for harsh indoor and outdoor environments.
- High Protection Ratings – IP66/IP69 and NEMA 1/4/4X for dust and water resistance, with IK08 impact-resistant housing and IK03 push-button.
- Wide Operating Range – Reliable performance from -35°C to +80°C with Class II electrical protection and 300V insulation rating.
- Secure & Easy Installation – Polyamide housing with TPV gasket, stainless steel Torx fasteners, and compact 70x70x63 mm design for easy mounting.

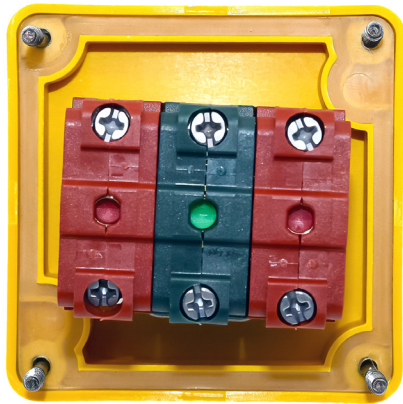
Specifications

080TU0707-6GF12	
Color	Yellow / Grey
Weight - gr	172.00
Approvals	CE, UL, CSA
Compliance with standards	IEC-EN 62208, IEC- EN 60947-1, IEC- EN 60947-5-1, IEC- EN 60947-5-5 and ISO-EN 13850
Operating temperatures	-35° ÷ +80°C
Protection degree	IP66 - IP69 - TYPE 1, 4, 4X (IEC-EN60529 - NEMA 250)
Protection against impact	IK08 (IEC-EN62262) – IK03 mushroom push - button
Manufacturing process	Injection moulding
Housing material	PA polyamide
Gasket material	TPV vulcanized thermoplastic elastomer
Screw material	Stainless steel AISI 304
Screw type	Torx T15 slotted head type
Tightening torque	0.7 Nm (6.2 lb-in)
Rated insulation voltage	Ui 300V - Uimp 2.5kV (IEC-EN60947-1)
Protection against electric Shock	Class II (IEC-EN61140)
Combustion behaviour	Housing: V0 (UL94), gasket: V0 (UL94)
Combustion behaviour	Housing: 960°C (IEC 60695-2-12)
Fitted for outdoor application	Yes
Pushbuttons and electrical contact block	See 020 contacts NC, 020 D.22mm 020PTFAR

Technical Drawings



Contact Blocks



Specifications

020G3E12 - Flanked contact blocks 1 N.O.+2 N.C., with flange		Contact material	Ag 1000/1000
Range	Contact blocks Ø 22	Contact movement	Slow action contact
Color	Red-Green	Contacts	Self cleaning by pads creeping
Weight - gr	45.00	NC contact operating travel	1.0mm NC change the state - 5mm total
Compliance with standards	IEC-EN60947-1, IEC-EN60947-5-1, UL508, CSA C22-2	NO contact operating travel	3.6mm NO change the state - 5mm total
Compliance with standards	UNI CEI EN 45545-2, CEI EN 61373	NC contacts (all versions)	Positive opening function (IEC-EN60947-5-1 ann.K)
Operating temperatures	-40° ÷ +70°C	NC contacts	Minimum positive opening travel: 1mm
Protection degree	IP20 (IEC-EN60529)	NC contacts (all versions)	Minimum force for positive opening: 1.5N
Mechanical durability	5.000.000 Operations	NC contacts (all versions)	Total travel including overtravel: 5mm
Shock resistance	30g duration=18ms (EN-IEC 60068-2-27)	Operating force (all version)	2N
Shock resistance	50g duration=11ms (EN-IEC 60068-2-27)	Rated insulation voltage	Ui 690V - Uimp 4KV (IEC-EN60947-1)
Vibration resistance	5g f= 2...500Hz (EN-IEC 60068-2-6)	Rated thermal current	Ith 10A (IEC-EN60947-1)
Pollution degree for installation	3	Rated conditional shortcircuit current	1000A (IEC-EN60947-1)
Housing material	PA Polyamide	Short-circuit protective device	10A cartridge fuse gG 10x38mm (IEC-EN60947-5-1)
Flange clamping spring material	Stainless steel AISI 304	Electrical ratings	AC15-DC13 (IEC-EN60947-5-1) - A600-P300 (UL 508)
Terminal screw	Tightening torque 0.8÷1 Nm (IEC-EN60947-1)	Electrical reliability	<10exp(-8)5mA in clean environment IEC-EN60947-5-4
Terminal screw head shape	Combined:cross Phillips2 or slotted flat D.5mm max	AC Performances	AC 24V-10A, 120V-6A, 240V-3A, 600V-1.2A
Terminal screw material	Zinc plated steel	DC Performances	DC 24V-5A, 120V-1.1A, 240V-0.55A
Terminal screw connections	min 1x0.5mm2 (20AWG) - max 2x2.5mm2 (14AWG)	Use restrictions	Suitable for pushbutton only
Cable lugs	Fork type "spring spade" for screw M3.5 / W=6.4mm		