



The ASI080TU0707-6GF01 Polyamide E-Stop Enclosure is a compact, robust emergency stop solution designed for industrial safety applications. Featuring a red Ø 40 mm mushroom push-button with twist-to-release action and 1 NC contact, it provides reliable and immediate emergency stop functionality. The enclosure's durable polyamide housing with a yellow lid is built to withstand harsh indoor and outdoor environments, offering IP66/IP69 protection, IK08 impact resistance, and compliance with CE, UL, and CSA standards. Designed for versatility, it supports safe operation across a wide temperature range from -35°C to +80°C, making it ideal for industrial control panels and machinery safety circuits.

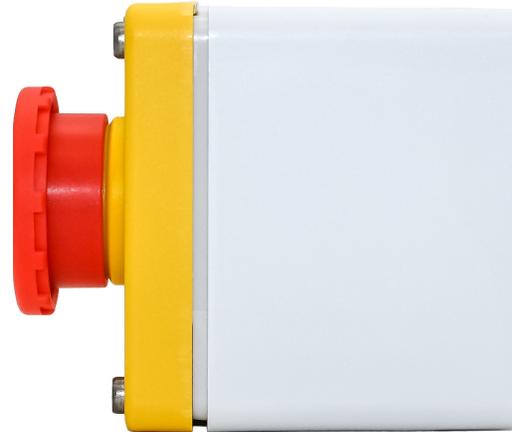
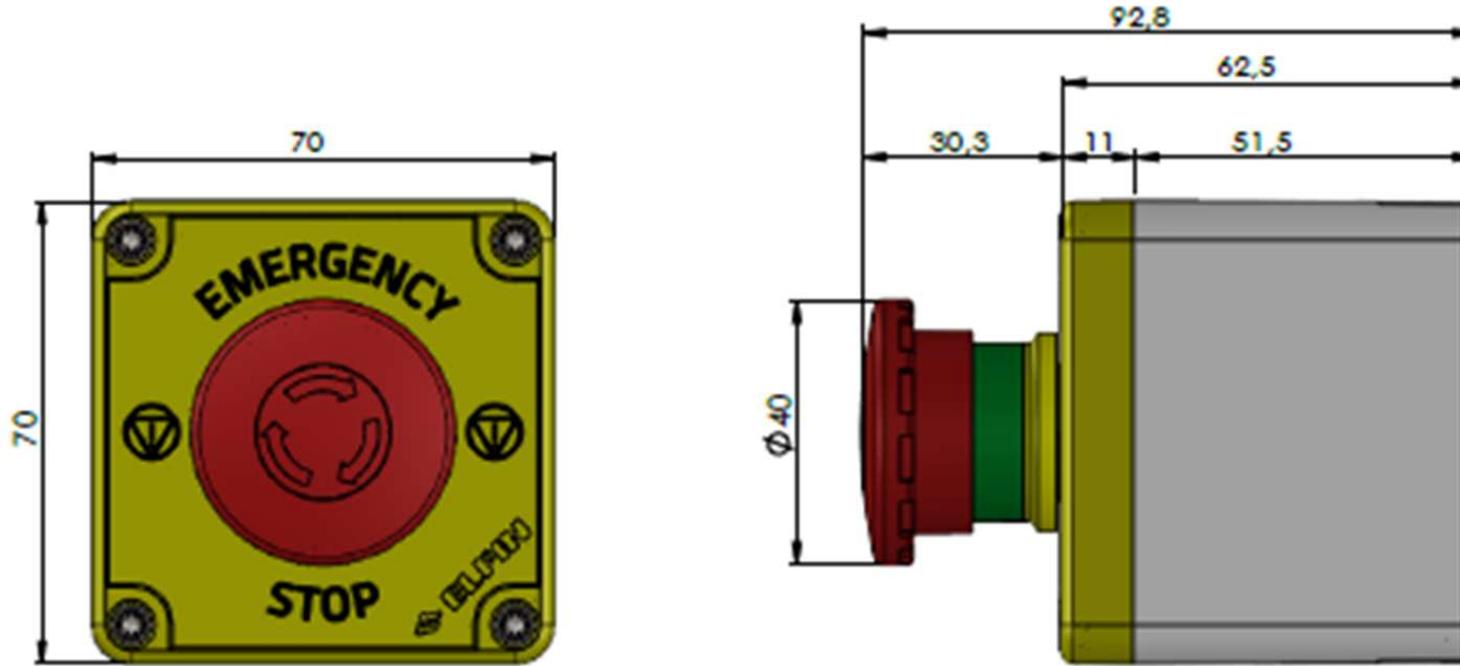
**Key Features:**

- Red Mushroom E-Stop with Twist-Pull Release – Ensures fast, secure emergency stop activation for critical safety situations.
- 1 NC Contact Configuration – Provides reliable normally closed contact for standard emergency stop circuits.
- Rugged Polyamide Housing – Durable, UV- and weather-resistant enclosure with yellow lid, suitable for harsh industrial environments.
- High Protection Ratings – IP66/IP69 and NEMA 1/4/4X protection against dust and water, with IK08 impact-resistant housing and IK03 push-button.
- Wide Operating Range – Performs reliably from -35°C to +80°C with Class II electric shock protection and 300V insulation rating.
- Easy & Secure Installation – Compact 70x70x63 mm design, TPV gasket, and stainless steel Torx fasteners for straightforward panel mounting.

**Specifications**

<b>080TU0707-6GF01</b>	
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**

<b>020E01 - Contact block N.C</b>	
Range	Contact blocks Ø 22
Color	Red
Weight - gr	11.1
Compliance with standards	IEC-EN60947-1, IEC-EN60947-5-1, UL508, CSA C22-2
Compliance with standards	UNI CEI EN 45545-2, CEI EN 61373
Operating temperatures	-40° ÷ +70°C
Protection degree	IP20 (IEC-EN60529)
Mechanical durability	5.000.000 Operations
Shock resistance	30g duration=18ms (EN-IEC 60068-2-27)
Shock resistance	50g duration=11ms (EN-IEC 60068-2-27)
Vibration resistance	5g f= 2...500Hz (EN-IEC 60068-2-6)
Pollution degree for installation	3
Housing material	PA Polyamide
Terminal screw	Tightening torque 0.8÷1 Nm (IEC-EN60947-1)
Terminal screw head shape	Combined:cross Phillips2 or slotted flat D.5mm max
Terminal screw material	Zinc plated steel
Terminal screw connections	min 1x0.5mm2 (20AWG) - max 2x2.5mm2 (14AWG)
Cable lugs	Fork type "spring spade" for screw M3.5 / W=6.4mm
Contact material	Ag 1000/1000

Contact movement	Slow action contact
Contacts	Self cleaning by pads creeping
NC contact operating travel	1.0mm NC change the state - 5mm total
NCR contact (late opening) operating travel	2.5mm NCR change the state - 5mm total
NC contacts (all versions)	Positive opening function (IEC-EN60947-5-1 ann.K)
NC contacts	Minimum positive opening travel: 1mm
NCR contacts	Minimum positive opening travel: 1.9mm
NC contacts (all versions)	Minimum force for positive opening: 1.5N
NC contacts (all versions)	Total travel including overtravel: 5mm
Operating force (all version)	2N
Rated insulation voltage	Ui 690V - Uimp 4KV (IEC-EN60947-1)
Rated thermal current	Ith 10A (IEC-EN60947-1)
Rated conditional short-circuit current	1000A (IEC-EN60947-1)
Short-circuit protective device	10A cartridge fuse gG 10x38mm (IEC-EN60947-5-1)
Electrical ratings	AC15-DC13 (IEC-EN60947-5-1) - A600-P300 (UL 508)
Electrical reliability	<10exp(-8)5mA in clean environment IEC-EN60947-5-4
AC Performances	AC 24V-10A, 120V-6A, 240V-3A, 600V-1.2A
DC Performances	DC 24V-5A, 120V-1.1A, 240V-0.55A