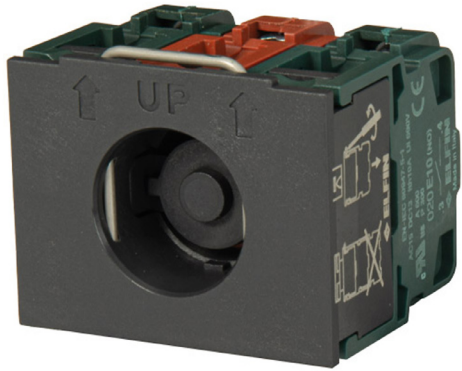


Specifications

020G3E21			
Color	Red-Green	Contact movement	Slow action contact
Weight - gr	45.00	Contacts	Self cleaning by pads creeping
Compliance with standards	IEC-EN60947-1, IEC-EN60947-5-1, UL508, CSA C22-2	NC contact operating travel	1.0mm NC change the state - 5mm total
Compliance with standards	UNI CEI EN 45545-2, CEI EN 61373	NO contact operating travel	3.6mm NO change the state - 5mm total
Operating temperatures	-40° ÷ +70°C	NC contacts (all versions)	Positive opening function (IEC-EN60947-5-1 ann.K)
Protection degree	IP20 (IEC-EN60529)	NC contacts	Minimum positive opening travel: 1mm
Mechanical durability	5.000.000 Operations	NC contacts (all versions)	Minimum force for positive opening: 1.5N
Shock resistance	30g duration=18ms (EN-IEC 60068-2-27)	NC contacts (all versions)	Total travel including overtravel: 5mm
Shock resistance	50g duration=11ms (EN-IEC 60068-2-27)	Operating force (all version)	2N
Vibration resistance	5g f= 2...500Hz (EN-IEC 60068-2-6)	Rated insulation voltage	Ui 690V - Uimp 4KV (IEC-EN60947-1)
Pollution degree for installation	3	Rated thermal current	Ith 10A (IEC-EN60947-1)
Housing material	PA Polyamide	Rated conditional shortcircuit current	1000A (IEC-EN60947-1)
Flange clamping spring material	Stainless steel AISI 304	Short-circuit protective device	10A cartridge fuse gG 10x38mm (IEC-EN60947-5-1)
Terminal screw	Tightening torque 0.8÷1 Nm (IEC-EN60947-1)	Electrical ratings	AC15-DC13 (IEC-EN60947-5-1) - A600-P300 (UL 508)
Terminal screw head shape	Combined:cross Philips2 or slotted flat D.5mm max	Electrical reliability	<10exp(-8)5mA in clean environment IEC-EN60947-5-4
Terminal screw material	Zinc plated steel	AC Performances	AC 24V-10A, 120V-6A, 240V-3A, 600V-1.2A
Terminal screw connections	min 1x0.5mm2 (20AWG) - max 2x2.5mm2 (14AWG)	DC Performances	DC 24V-5A, 120V-1.1A, 240V-0.55A
Cable lugs	Fork type "spring spade" for screw M3.5 / W=6.4mm	Use restrictions	Suitable for pushbutton only
Contact material	At 1000/1000		



The ASI020G3E21 Contact Element Assembly includes two normally open (NO) and one normally closed (NC) contacts arranged side by side with a flange mount for secure installation. Designed for industrial control and signaling applications, it delivers up to 5 million mechanical operations with slow-action, self-cleaning contacts for long-term reliability. The rugged polyamide housing and stainless-steel spring provide vibration and shock resistance, while compliance with IEC, UL, and CSA standards ensures dependable electrical performance up to 690V, 10A across a wide temperature range of -40°C to +70°C.

Key Features:

- 2 NO + 1 NC Contact Configuration – Offers versatile control options for push-button and safety circuits.
- Durable, Vibration-Resistant Design – Polyamide housing and stainless-steel flange spring ensure reliable performance in harsh environments.
- High Endurance – Rated for 5 million operations for extended service life.
- Positive Opening NC Contact – Ensures safe and reliable disconnection under fault conditions.
- Strong Electrical Ratings – Rated up to 690V, 10A, with A600-P300 UL classification for AC/DC control.
- Self-Cleaning Slow-Action Contacts – Maintain signal integrity and operational reliability over time.

Technical Drawings

