Emergency stop for enclosure installation
INCA 1

Approvals:

Application:

- To stop a machine or a process

Features:

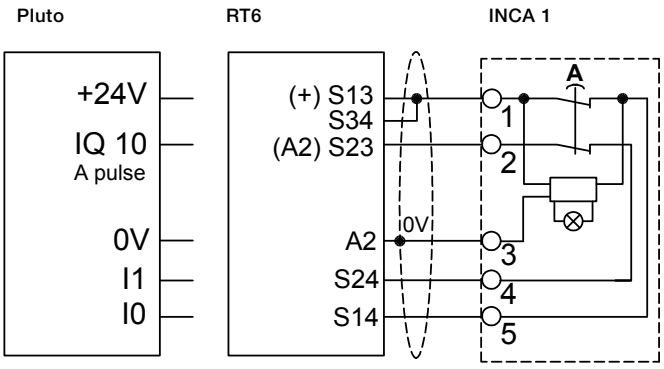
- Terminal blocks
- Emergency push button up to PL e/Cat. 4 acc. to EN ISO 13849-1
- Only 53 mm construction depth
- With LED info in push button
- Push button IP65, connector IP20
- Available as safety stop (black push button)

Description

INCA 1 is an emergency stop designed for installation in 22.5 mm holes on cabinets. INCA 1 has potential free contacts for connection to safety relays. The connection is made in cabinets via a removable terminal which also have excellent measuring points. Inca 1 is also available with a black pushbutton and used as a safety stop. See section on Safety stops.

In the emergency stop button there is a LED that displays current status on:

- Green = everything ok
- Red = this emergency push button has been pressed
- Off = a unit earlier in the circuit is affected

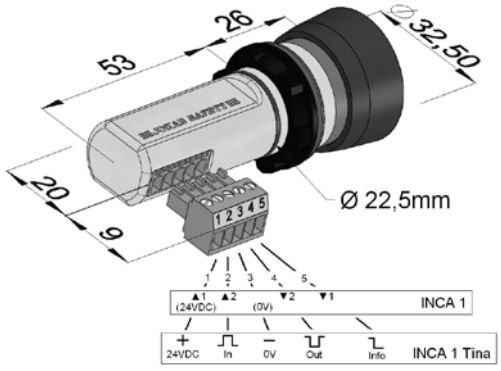


INCA 1S. See more information on section - Safety stop.

Technical data - INCA 1/INCA 1 Tina

Article number	
INCA 1	2TLA030054R0100
INCA 1 Tina	2TLA030054R0000
Impact resistance (half sinusoidal)	Max. 150m/s², pulse width 11 ms, 3-axis, acc. to EN IEC 60068-2-27
Vibration resistance (sinusoidal)	Max. 50 m/s² at 10 Hz…500 Hz, 10 cycles, 3 axis, acc. to EN IEC 60068-2-6
Climate resistance	
Damp heat, cyclical	96 hours, +25 °C / 97%, +55 °C / 93 % relative humidity, as per EN IEC 60068-2-30
Damp heat, sustained	56 days, +40 °C / 93 % relative humidity, as per EN IEC 60068-2-78
Dry heat	96 hours, +70 °C, as per EN IEC 60068-2-2
Cooling	96 hours, -40 °C, as per EN IEC 60068-2-1
Salt mist	96 hours, +35 °C in a chemical solution with NaCl as per EN IEC 60068-2-11
Level of safety	
EN ISO 13849-1	Up to PL e/Cat. 4 depending upon system architecture
EN 62061	SIL 3 depending upon system architecture
IEC/EN 61508-1...7	SIL 3
PFH_D	
INCA 1	PFH_D: 1.60×10^{-10}
INCA 1 Tina	PFH_D: 4.66×10^{-9}
Colour	Yellow, red and black
Weight	Approx. 45 grams
Size	See drawing
Material	Polyamide PA66, Macromelt, Polybutylenterephthalate PBT UL 94 V0
Temperature	-10°C to +55°C (operation), -30°C to +70°C (storage)
Protection class	Button: IP65, Connector: IP20
Installation	22.5 mm
Emergency stop LEDs	INCA 1: Green: Safety device OK. Not lit: A unit earlier in the circuit is affected. Red: This emergency stop has been pressed. INCA 1 Tina: Green: Safety device OK, safety circuit OK Flashing: Safety device OK, safety circuit previously interrupted. Red: This button is pressed in, and the safety circuit is interrupted.
Operating voltage (LED)	INCA 1: 24 VDC INCA 1 Tina: 24 VDC +15% -25%
Current consumption (LED)	INCA 1: 15 mA INCA 1 Tina: 47 mA
Actuating force	22 ± 4 N
Operating movement	Approx. 4 mm to locked position
Contact material	Gold-plated silver alloy
Minimum current	INCA 1: 10 mA, 10 VDC/10 VAC INCA 1 Tina: —
Maximum current	INCA 1: 2 A 24 VDC INCA 1 Tina: —
Mechanical life	> 50 000 operations
Accessories	
Front ring yellow for INCA	2TLA030054R0400
Emergency Stop Sign S DK FIN, 22.5 mm	2TLA030054R0500
Emergency Stop Sign EN F D, 22.5 mm	2TLA030054R0600
Emergency Stop Sign (blank) 22.5 mm	2TLA030054R0900
Conformity	EN ISO 12100:2010 EN ISO 13849-1:2008 EN 62061:2005 EN 60204-1:2006+A1:2009 IEC 60664-1:2007 EN 61000-6-2:2005 EN 61000-6-4:2007 EN 60947-5-5:2005 EN ISO 13850:2006

Yellow front ring and emergency stop signs for emergency stop.



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