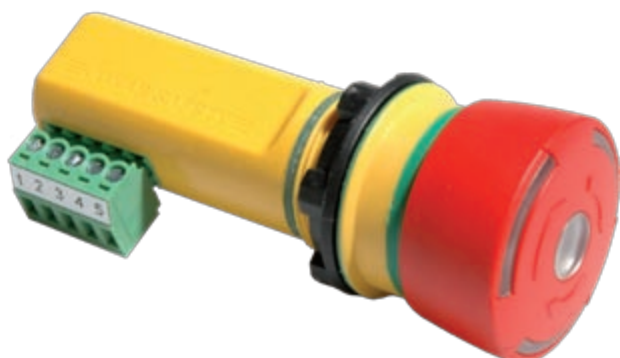


Emergency stop for enclosure installation

INCA 1 Tina



Approval:



Application:

Emergency push button for installation in cabinets

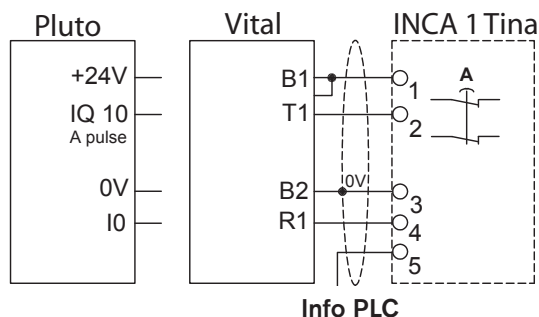
Advantages:

- Terminal blocks
- Emergency push button up to cat. 4/PL e acc. to EN ISO 13849-1
- Only 53 mm's construction depth
- With LED info in push button
- Info output (Inca1 Tina)
- Push button IP65, connector IP20
- Available as safety stop (black push button)

INCA 1 Tina is an emergency stop designed for installation in 22.5 mm holes in equipment cabinets. In addition to the INCA 1 version, "INCA 1 Tina" is also available with electronic adjustment of the dynamic safety loop for connection to the Vital and Pluto units. The connection is made in equipment cabinets via a removable terminal block which also has marked measuring points. Inca 1 Tina is also available with black push button and is used in this case as a safety stop. See section on safety stops.

The emergency stop button has a LED that displays the current status:

- Green = everything is OK
- Red = this emergency stop has been pressed.
- Flashing red/green = a protection device earlier in the loop has been actuated.



Yellow front ring and emergency stop signs for emergency stop.

Technical data - INCA 1/INCA 1 Tina	
Manufacturer:	ABB AB/Jokab Safety, Sweden
Article no./Ordering data: INCA 1 INCA 1 Tina	2TLJ030054R0100 2TLJ030054R0000
Impact resistance (half sinusoidal)	Max. 150m/s ² , pulse width 11 ms, 3-axis, acc. to EN IEC 60068-2-27
Vibration resistance (sinusoidal)	Max. 50 m/s ² at 10 Hz... 500 Hz, 10 cycles, 3 axis, acc. to EN IEC 60068-2-6
Climate resistance Damp heat, cyclical Damp heat, sustained Dry heat Cooling Salt mist	96 hours, +25 °C / 97%, +55 °C / 93 % relative humidity, as per EN IEC 60068-2-30 56 days, +40 °C / 93 % relative humidity, as per EN IEC 60068-2-78 96 hours, +70 °C, as per EN IEC 60068-2-2 96 hours, -40 °C, as per EN IEC 60068-2-1 96 hours, +35 °C in a chemical solution with NaCl as per EN IEC 60068-2-11
Level of safety: Cat. 4/PL e Category 4 SIL 3 SIL 3	EN ISO 13849-1 EN 954-1 EN 62061 IEC/EN 61508-1...7
PFH_d: INCA 1 INCA 1 Tina:	PFH _d : 1,60×10 ⁻¹⁰ 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)
Enclosure classification	Print: IP 65, 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 broken. Red: This button is pressed in, and the safety circuit is broken.

Operating voltage (LED):	INCA 1: 24 VDC INCA 1 Tina: 24VDC +15% -25%
Current consumption (LED):	INCA 1: 15 mA INCA 1 Tina: 47 mA
Emergency stop button Operating 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, 1A 125 VAC INCA 1 Tina: —
Mechanical life:	> 50 000 operations
Standards:	EN 60204, EN 60947-5-1 & -5 EN ISO 13850
Accessories: Front ring yellow for INCA Emergency stop sign S D F, 22,5mm Emergency stop sign E FT, 22,5mm	2TLJ030054R0400 2TLJ030054R0500 2TLJ030054R0600
Conformity:	2006/42/EG EN 954-1, EN ISO 13849-1, EN 62061, EN 60204-1, EN 61496-1, IEC 60664-1, EN 61000-6-2, EN 61000-6-4, EN 60947-5-1, EN 1088

