



Emergency stop button NHT05D

The operation protection collar of emergency stop button NHT05D prevents inadvertent actuation. The blocking of external mechanical influences enables use in heavily frequented areas, in confined spaces and on mobile machines.

Technical specifications

- Latching detent for anti-rotation protection and to prevent easy removal
- Optical switch position indicator (green ring)
- Simple rotary release
- When used in combination with emergency stop enclosure NHG01, it can be used as a surface mounted version
- Matching installation wrench MS01 for simple installation
- Operation protection collar

Suitable contact elements:

KE20 Contact element with 2 N.C. contacts

KE20SF Contact element with 2 N.C. contacts + failure protection*

KE21 Contact element with 2 N.C. contacts + 1 N.O. contact

KE21SF Contact element with 2 N.C. contacts + 1 N.O. contact + failure protection*

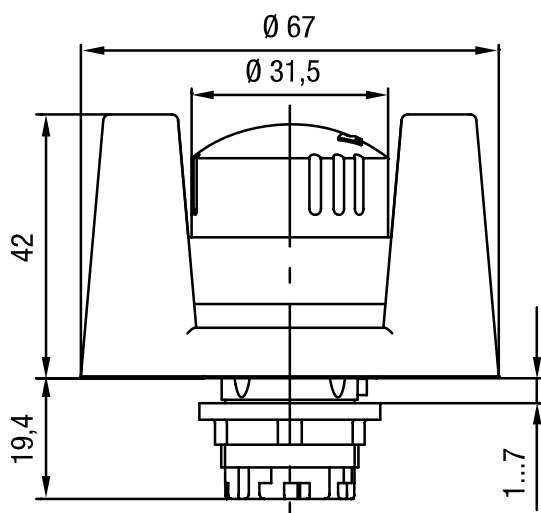
*The failure protection system detects whether the contact elements are assembled correctly and switches the safety circuit off if a contact element should detach due to external influences.

The following safety control units / safety relays are suitable for integration into the safety product line:

463 111 B1 1 input for 2 N.O. sensor / emergency stop button
 463 111 B2 2 inputs for 2 N.O. sensors / emergency stop buttons
 463 114 B1 1 input for 2 N.O. sensor / emergency stop button
 463 114 B2 2 inputs for 2 N.O. sensors / emergency stop buttons
 470 111 B1 2 inputs for 2 N.O. sensors / emergency stop buttons
 471 115 B1 2 inputs for 2 N.O. sensors / emergency stop buttons
 471... eloFlex 4 two-channel inputs, freely configurable
 485 EP... eloProg up to 128 inputs, freely configurable

Technical drawing

IMAGE 1/1



Properties

Attribute	NHT05D
Unlocking device	Rotary release left/right
Anti-obstruction protective collar	no
Operation protective collar	yes

Mechanical data

Attribute	NHT05D
Service life, mechanical (Cycles)	100000
Dimensions	Ø67 x 60,9 mm
Detent present	yes

Material information

Attribute	NHT05D
Housing material	Kunststoff
Housing colour	Frontrahmen: gelb Pilzkopf: rot

Environmental conditions

Attribute	NHT05D
Protection class	IP65 DIN EN 60529
Operating temperature min.	-30 °C
Max. operating temperature	70 °C
Min. storage temperature	-50 °C
Max. storage temperature	85 °C

Installation

Attribute	NHT05D
Mounting type	Fastening nut
Installation opening	Ø22,3 mm
Installation	from above
Torque for nuts	2,2 N m
Installation depth	19.4 mm

Approvals

Attribute	NHT05D
Certified in accordance with	EN 60947-5-5 EN 60947-5-1 EN ISO 13850 UL 508 / CSA 22.2
CE label	yes
Hygienic approval	no