GNExCP7-PT/M-I IS Tool Reset/Momentary Call Point



The **intrinsically safe** GNExCP7-PT-I latching push button with tool reset and GNExCP7-PM-I momentary push button manual call points feature a robust GRP enclosure with a 316 stainless steel mechanism and IP66/67 rating – manufactured for the harshest of hazardous environments.

Globally approved to IECEx, ATEX, UL and cUL standards for all Class I Div 1 and Zone 0 installations. Available with DIN rail terminals or the innovative E2S termination board with dedicated connections for EOL and/or series devices. SIL2 compliant to IEC 61508 (2010). DNV type approved for exposed locations.

Features

- Corrosion proof GRP enclosure, anti-static & UV stable
- Ingress protection IP66/67/68, 4/4X/3R/13
- Single or double switch (SPCO/DPCO)
- 316 (A4) stainless steel mechanism
- 3 x cable entries, 2 x stopping plugs included
- Optional LED indicator

Approvals

- UL/cUL cert; UL-US-L513632-352311-42200202-2
- IECEx cert: IECEx ULD 19.0007X
- ATEX cert: DEMKO 19 ATEX 2101X
- UKCA cert: UL21UKEX2134X
- DNV cert: TAA000034V
- SIL 2 compliant to IEC 61508 (2010)

Coding

- NEC Class / Zone
 Class I Zone 0 AEx ia IIC T6 Ga Ta -55°C to +70°C
- CEC Class / Zone
 Ex ia IIC T6 Ga Ta -55°C to +70°C
- NEC / CEC Class / Div
 Class I Div 1 Group ABCD T6 Ta -55°C to +70°C
- IECEx / ATEX
 II 1G Ex ia IIC T6 Ga Ta -55°C to +70°C
 Note: All rated to T4 with EOL, series and/or LED.























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| Specification | | | | | | |
|---|--|--|--|--|--|--|
| GNExCP7-PT-I GNExCP7-PM-I | Version: IS Tool Reset Version: IS Momentary | | | | | |
| Temp. Range: | -55°C to +60°C/+70°C | | | | | |
| Switch: | Sealed - IP67 | | | | | |
| Ingress protection: | IP66/67/68 to EN/IEC 60529 4/4X/3R/13 to UL50E/NEMA250 | | | | | |
| Enclosure matl: | GRP Glass Reinforced Polyester, anti-static & UV stable | | | | | |
| Colour: | Red Other solid and striped colours available | | | | | |
| Lift flap: | Latching lift flap included as standard | | | | | |
| Cable entries: | 2 x M20x1.5 down facing and 1 x M20x1.5 side Can be rotated to provide 2 x top facing and 1 x side entries Cable entries adaptable to 1/2"NPT, 3/4"NPT & M25 | | | | | |
| Stopping plugs: | 2 x Stopping plugs as standard Brass, Nickel plated or Stainless Steel | | | | | |
| Terminals: | DIN rail 8×2.5 mm ² SAK2.5 or Termination board featuring 6×2.5 mm ² terminals plus 4×4 dedicated EOL & Series terminals | | | | | |
| Earth: | External M5 earth conn | ection | | | | |
| Relative Humidity: | R.H. 95% @ 20°C | | | | | |
| MTBF: | 479.6 years / 4,201,680 | hours - MIL 217 | | | | |
| Weight: | 2.1Kg/4.63lbs | | | | | |
| Supply voltage: | 24Vdc Nominal 30Vdc N | Maximum via barriers | | | | |
| Input safety parameters: | Ui Ii Pi Ci Li | 30V 500mA 1100mW 0 | | | | |
| Component: | Value: | Max current: | | | | |
| End-of-Line Resistor | min. 470R / 2W or min. 2k2 / 0.5W | n/a - limited by barrier | | | | |
| | 5% Max. tolerance. Min. size: Ø3.5 × 9.0mm 2W or Ø2.6 × 6.8mm 0.5W | | | | | |
| End-of-Line Diode | 2W | 59.13mA - limited by system | | | | |
| | Type 1N5401. Min. size | : Ø4.8 × 7.2mm | | | | |
| Series Resistor | min. 470R / 2W or min. 2k2 / 0.5W | n/a – limited by barrier | | | | |
| | 5% Max. tolerance. Min. size: Ø3.5 × 9.0mm 2W or Ø2.6 × 6.8mm 0.5W | | | | | |
| Series Diode | 2W | 59.13mA – limited by system | | | | |
| | Type 1N5401. Min. size | : Ø4.8 × 7.2mm | | | | |
| Series Zener Diode | : 3V3 | 230mA – limited by system | | | | |
| T 1NEO 5 | 4V7 | 162mA – limited by system | | | | |
| Type 1N53xxB Ø3.3 × 8.4mm | 5V1 | 149mA – limited by system | | | | |
| Min component | 5V6 6V2 | 136mA – limited by system 122mA – limited by system | | | | |
| size | 6V8 | 112mA – limited by system | | | | |
| | 10V | 76mA - limited by system | | | | |
| Spares: | 12V | 63mA – limited by system | | | | |
| Spares: SP70-0001 SP70-0040 | Replacement break glass elements (Pack of 50) | | | | | |
| Accessories: | STxCP8-BG Test Key | | | | | |
| SP65-0001-A4 | Pole Mount Product V:+ | 91/91 A.1 (316) | | | | |
| SP65-0001-A4 SP65-0002-A4 SP70-0065 | Pole Mount Bracket Kit St/St A4 (316) Sunshade – St/St A4 (316) Break glass hammer with chain | | | | | |
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Part Codes

| Version: | Part reference: | Description: |
|--|---|--|
| Product type: | | IS Latching push button with tool reset IS Momentary push button |
| Switch type: [s] | S D | SPCO/SPDT DPCO/DPDT |
| Terminals: [t] | D P | DIN Rail 8 × SAK2.5 PCBA termination: 6 × 2.5mm² plus 4 × EOL & Series terminals NOTE: D option only available if no EOL, series or LED are required P option only available if EOL, series or LED are required to be factor fitted or installed during installation |
| Lift flap: [l] | L | Lift flap supplied as standard |
| Cable entries:[e] | A B C D E F | 3 x M20x1.5mm 2 × 1/2" NPT – adaptors 2 × 3/4" NPT – adaptors 2 x M25x1.5mm – adaptors 1 × 1/2" NPT – adaptor 1 × 3/4" NPT – adaptor 1 x M25x1.5mm – adaptor |
| Stopping plug/ adaptor material: [m] | B P S | Brass Nickel Plated Brass Stainless Steel |
| Duty label/Equipment tag: [d]: | 1 2 3 4 5 6 7 | No Duty label, no Equip. tag Duty label Stainless Steel Duty label St/St + Equip. tag Duty label Metalised Polyester Duty label M. Poly. + Equip. tag Equip. tag only Special label requirement |
| Product version: [v] | I | UL, cUL, IECEx, ATEX, DNV |
| Product option: [o] | 1 R W | Standard product With EOL, series and/or LED devices Alternate EOL wiring |
| Enclosure colour: [x] | R B N Y V S K M Z | Red Blue Green Yellow Red/White Yellow/Black Black Magenta Red/Black |
| LED indicator: [u] | N L C | No LED required LED with 1.5K ballast resistor LED without ballast resistor |
| E.O.L.Module: [e] optional | ExxxR ED1 ExxxZ | Resistor value in Ohms e.g. E470R = 470 Ohm Diode IN4007 = ED1 Zener diode e.g. E5V1Z = 5.1V |
| Series Module: [s] optional | SxxxR SD1 SxxxZ | Resistor value in Ohms e.g. S1K5R = 1.5K Ohm Diode IN4007 = SD1 Zener diode e.g. S5V1Z = 5.1V |

