CROUSE-HINDS

PB manual call point range

Ex de, Ex ia, weatherproof



Overview

These new and improved manual alarm call points have been designed for use in hazardous locations and harsh environmental conditions.

The GRP enclosure is suitable for use onshore or offshore where light weight combined with a high level of corrosion resistance is required.

The unit is now supplied with a lift flap that latches firmly in place (not available for turn and push version).

Features

- ATEX certified
- IECEx certified
- UL certified for Haz locs
- UL certified for Ord locs
- TR CU certified
- Chinese (CQST) certified
- Brazilian (INMETRO) certified
- CCOE certified
- DNV type approval (IEC 60945)
- SIL 2 certified
- IP66 and IP67

- Corrosion free GRP construction
- Variety of colours available
- Up to 9 terminals available
- Optional LED indicates that the unit has been operated
- Earth continuity option for metal glands
- 1 or 2 changeover switches
- Captive cover screws
- Lift flap as standard (not available for turn and push version)
- Latching as standard. Self reset (momentary) available













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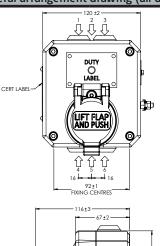
Certifications ATEX Ex de Cert. no. BAS02ATEX2105X. ATEX Approved Ex II 2GD Certified to: EN60079-0, EN60079-1, EN60079-7, EN60079-18, EN60079-31 Ex db eb IIC T6 Gb, Ex tb IIIC T85°C Db (switch only) Ex db eb mb IICT6 Gb, Ex tb IIICT85°C Db (with LED) Ex db eb mb IICT4 Gb, Ex tb IIICT135°C Db (with resistors & diodes) Cert no. Baseefa 03ATEX0084X. ATEX Approved Ex II 1GD ΔTFX Fx ia Certified to: EN60079-0, EN60079-11 Ex ia IICT4 Ga , Ex ia IIICT135°C Da Cert. no. IECEx BAS 18.0100X IECEx Ex de Certified to: IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-18, IEC60079-31 Ex db eb IIC T6 Gb, Ex tb IIIC T85°C Db (switch only) Ex db eb mb IICT6 Gb, Ex tb IIICT85°C Db (with LED) Ex db eb mb IICT4 Gb, Ex tb IIICT135°C Db (with resistors & diodes) IFCFx Fx ia Cert. no. IECEx BAS 12.0093X Certified to: IEC 60079-0. IEC 60079-11 Ex ia IICT4 Ga, Ex ia IIICT135°C Da UL Listing no. E186629 UL listed to Class 1, Div 2. Groups A,B,C & D UL listed for Ordinary Locations. Listing no. S8117 CSA Cert. no. 79120-3. Class 1 groups A,B,C & D 1Ex d e IICT6 Gb, Ex tb IIICT85°C Db (switch only) 1Ex d e mb IICT6 Gb X, Ex tb IIICT85°C Db X (with LED) 1Ex d e mb IICT4 Gb X, Ex tb IIICT135°C Db X (with resistors & diodes) TR CU Fx ed Russian Fire approved (Must be red and have burning house duty label) TR CU Ex ia 0Ex ia IICT4 Ga X, Ex ia IIICT135°C Da Russian Fire approved (must be red and have burning house duty label) Ex db eb IIC T6 Gb. Ex tb IIIC T85°C Db (switch only) INMETRO Ex de Ex db eb mb IIC T6 Gb, Ex tb IIIC T85°C Db (with LED) Ex db eb mb IICT4 Gb, Ex tb IIICT135°C Db (with resistors & diodes) Ex de IICT6 (switch only), Ex de mb IICT4 (other versions) CQST Ex de COST Ex ia Type Approvals American Bureau of Shipping type approval (ABS) PBI only DNV (IEC 60945) SIL SIL2 Certification to IEC61508. Cert no. 20151118-4786827453 **Specifications** Material Anti-static UV resistant glass reinforced polyester Finish Red painted finish as standard or to customer specification Up to 250Vac. Up to 50Vdc (model dependent) Voltage 1.2 kg. (Varies with models and entries) Weight IP66 & IP67 Ingress protection Up to 4 entries, M16 or M20 top and bottom (1/2" NPT available on UL version) Entries 7 x 2.5mm² – standard **Terminals** $9 \times 2.5 \text{mm}^2$ optional – up to 60V only Resistors Various configurations available on versions up to 24V and all 'IS' versions. (Minimum Resistor value 100ΩPBE, 470ΩPBI) Earth continuity Internal and external earth continuity is provided with an optional earth plate A high intensity red LED can be fitted as an optional extra to indicate LED indication operation on versions up to 24V and all 'IS' versions As standard the LED is not provided with over current protection. The forward current (If) should be limited to 20mA Labelling Duty label - worded to customers requirements. Riveted on Tag label - worded to customers requirements. Screwed on Switch ratings (1 or 2 Switch only 30Vdc 5A (resistive) or 3A (inductive)

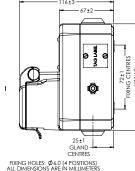
30-50Vdc 1A (resistive or inductive) 250Vac 5A (resistive or inductive)

24Vdc 0.05A

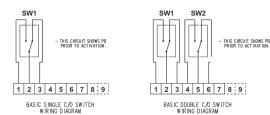
24Vdc 0.05A

General arrangement drawing (all dimensions in mm)





PB standard wiring configuration



9 TERMINALS MAY BE REQUIRED
DEPENDING ON THE CONFIGURATION SELECTED

Temperature

Model	PBW	PBUL	PBE	PBI	CSA
	-40°C to	-25°C to	-40°C to	-40°C to	-30°C to
	+70°C	+55°C†	+70°C*	+70°C	+40°C

- * -35°C to + 70°C with LED
- † -25°C to +50°C with resistors or LED fitted

Ordering requirements

LED

Resistor(s)

changeover switches fitted)

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

