CROUSE-HINDS SERIES

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.

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
- 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
- Latching as standard. Self reset (momentary) available





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Please check here for latest version of the datasheet

Powering Business Worldwide

Unit B, Sutton Parkway Oddicroft Lane Sutton in Ashfield United Kingdom NG17 5FB

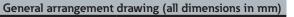
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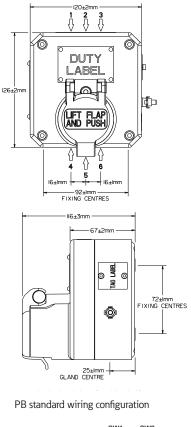
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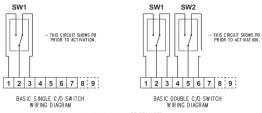
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ATEX Ex de	Cert. no. BAS02ATEX2105X. ATEX Approved Ex II 2GD EN60079-0, EN60079-1, EN60079-7, EN60079-31 Ex de IIC T6 Gb, Ex tb IIIC T85°C Db switch only Ex de mb IIC T6 Gb, Ex tb IIIC T85°C Db with LED Ex de mb IIC T4 Gb, Ex tb IIIC T135°C Db with resistors & diodes				
ATEX Ex ia	Cert no. Baseefa 03ATEX0084X. ATEX Approved Ex II 1GD Certified to: EN60079-0, EN60079-11 Ex ia IICT4 Ga , Ex ia IIIC T135°C Da				
IECEx Ex ia	Cert. no. IECEx BAS 12.0093X Certified to: IEC 60079-0, IEC 60079-11 Ex ia IIC T4 Ga, Ex ia IIIC T135°C Da				
UL	Listing no. E186629 UL listed to Class 1, Div 2. Groups A – D UL listed for Ordinary Locations. Listing no. S8117				
CSA	Cert. no. 79120-3. Class 1 groups A, B, C & D				
TR CU Ex ed	2Ex ed IIC T6, DIP A21 T85°C IP66/IP67 (switch only) 2Ex e md IIC T4, DIP A21 T135°C IP66/IP67 (other versions) Russian Fire Approved				
TR CU Ex ia	0Exia IICT4. Russian Fire Approved				
INMETRO Ex de	Ex de IIC T6 Gb (Switch only), Ex de mb IIC T4 Gb (other versions)				
CQST Ex de	Ex de IIC T6 (switch only), Ex de mb IIC T4 (other versions)				
CQST Ex ia	Ex ia IIC T4				
Type Apps	American Bureau of Shipping type approval (ABS) PBI only				
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				
Voltage	Up to 254V a.c. Up to 28V d.c				
Weight	nt 1.2 kg. (Varies with models and entries)				
Ingress protection	IP66 & IP67				
Entries	Up to 4 entries, M16 or M20 top and bottom (1/2" NPT available on UL version)				
Terminals	7 x 2.5mm² – standard 9 x 2.5mm² 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				
LED indication	A high intensity red LED can be fitted as an optional extra to indicate 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 changeover switches	d.c. 0-30v 5A (resistive) or 3A (inductive) 30-50v 1A (resistive or inductive) a.c. 0-254V 5A (resistive or Inductive)				







9 TERMINALS MAY BE REQUIRED DEPENDING ON THE CONFIGURATION SELECTED

Temperature

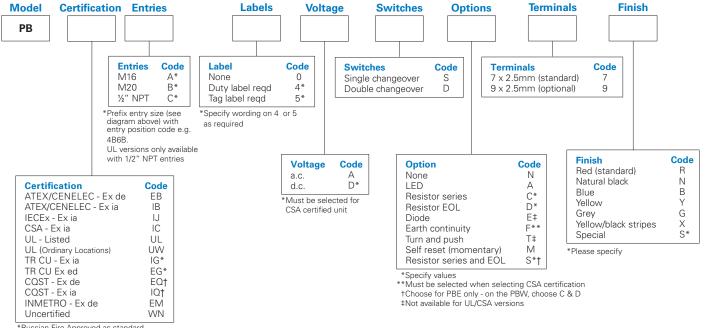
Model	PBW	PBUL	PBE	PBI	CSA
	-40°C to	-25°C to	-40°C to	-40°C to	-30°C to
	+70°C	+55°C†	+70°C*	+70°C	+40°C

* -35°C to + 70°C with LED

 \dagger -25°C to +50°C with resistors or LED fitted

Ordering requirements

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



*Russian Fire Approved as standard

†Not suitable for use in China on fire alarm systems