



**Fabrikanterklæring og instruksjoner**

**Declaration of Conformity and Instructions**

**Adresserbar / Addressable**

**Anvendelse:**

Manuell melder for bruk i tørre rom.  
For bruk i eksplosjonsfarlige områder, sone 1 eller sone 2.  
Tilkobles via zenerbarriere BZ-32.  
Beregnet for bruk sammen med BS-100 og BS-60 sentraler.

**Prinsipp:**

Gir alarm når glasset knuses. Tilbakestilles når nytt glass blir satt inn. Kan alarmtestes ved hjelp av en spesialnøkkel.

**Versjoner:**

BF-33/EX EEx ib-utgave for bruk i sone 1 eller sone 2.

**Application:**

Manual call-point for use in dry areas.  
For use in hazardous areas, zone 1 or zone 2.  
To be connected via zener barrier BZ-32.  
Designed for use with BS-100 and BS-60 panels.

**Principle:**

Gives alarm when the glass is broken. Reset when a new glass is mounted. Can be tested by means of a special test-key.

**Versions:**

BF-33/EX EEx ib-version for use in zone 1 or zone 2.

# Tekniske data / Technical data: BF-33/EX



Dimensjoner / Dimensions:  
(H x B x D) / (H x W x D) : 87x87x61mm (20mm)

Vekt / Weight : 108 g

Materiale / Materials : Rød termoplast /  
Red thermo plastic

Spenning / Voltage : 14 V DC  $\pm$  2 V

Strømforbruk /  
Current consumption

Hvilestrøm / Stand by : 0,3 mA

Signalstrøm / Signal

Normal / Normal : 8 mA

Alarm / Alarm : >22 mA

Miljøkrav /

Environmental requirem. : EN-54/11

Miljø / Environment : For bruk i tørre rom /  
For use in dry areas

Beskyttelsesgrad /  
Degree of protection

: IP 24

Arbeidstemperatur /  
Working temperature

: - 20°C to + 50°C

Fuktighet (ikke kond.) /

Humidity (non condensing) : Max. 95 % R.H.

Vedlikehold / : Bytt ut knust glass /  
Maintenance Replace glass

Service / Service : Utskiftes ved feil /  
Replace if faulty

## Approvals / Godkjenninger:

Notified Body / Godkj. etat : Nemko, Oslo, Norway  
ID No. 0470

EC type examination : Nemko 03ATEX 219X  
certificate / EC type sertifikat

Directive and standards : 94/9/EC (ATEX)  
/ Direktiver og standarder EN 50014

EN 50020

89/336/EEC (EMC)

Emission: EN 50081-1: 1992

Immunity: EN 50130-4: 1995

EN: 61000-6-2: 1999

Ex parameters

II 2 G

/ Ex-parametere

EEX ib IIC T5

$U_m = 17,5VDC$

$C_{eq} = 0,384\mu F$

$L_{eq} = 0$

Dimensjoner og tilkobling /  
Dimensions and connection:

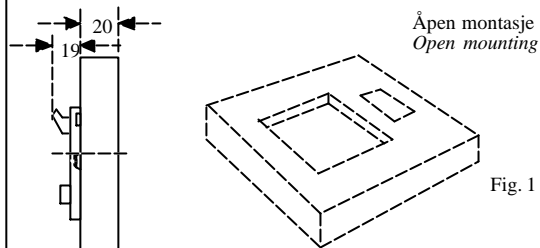


Fig. 1

1+3= 61mm

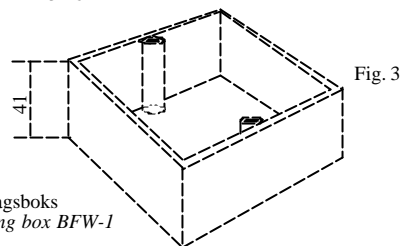


Fig. 3

Fig. 2

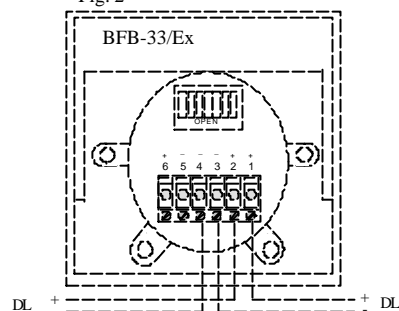


Fig. 1 Melder / Call-point

Fig. 2 Tilpasn. / adr. enhet type BFB-33/Ex  
Interface / address unit type BFB-33/Ex.

Fig. 3 Underlagsboks type BFW-1 / Mounting box type BFW-1.

DL Detektorsløyfe / Main detector loop.

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