

## Battery fuse load breakers of type BAE

in insulated enclosures or plastic wall cabinets

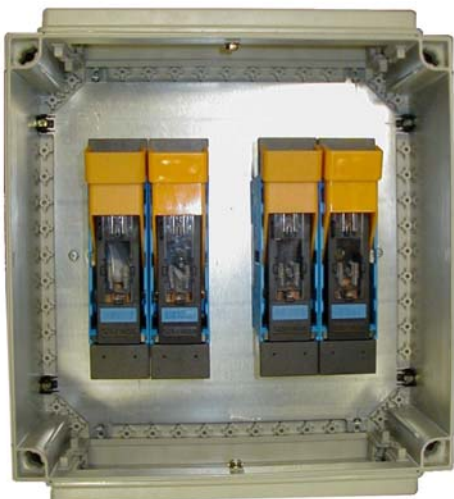
Nowadays the battery-powered DC voltage supply comprises a wide range of monitoring and control applications used in the industrial production and in the power provision and protection of electronic devices for control, metering and data processing. In order to protect the connected batteries the battery fuse load breakers BAE of GfS are just the right solution. They are ready for use in battery rooms.

Dependent on the field of application battery fuses are used for a max. allowed battery voltage of up to 440 VDC or for a max. allowed battery voltage of up to 550VDC in combination with special UPS fuses.

As the safety of UPS-systems is of a great importance often two or more battery strings are connected in parallel. For this case of application we have also the suitable solution for you.

### *Your advantages*

- Best price/performance relation
- Standardized and practice-oriented cable input
- Wide range of connections
- All cabinets acc. to electrical protection class II
- All cabinets acc. to mechanical protection class IP54



### *Types*

For the numerous applications we offer the following design:

- Insulated enclosures with removable transparent plastic lid
- Plastic cabinet with door, to be opened to the right or left side
- For one or two battery strings
- In case of two battery strings combined fuse load breakers for plus and minus pole

Other constructions on request

# Battery fuse load breakers of type BAE

## Type table

Standard up to 440V DC / operational status for current DC21					
Type	Number of poles	Dimensions H x W x D [ mm ]	Mounting	Cable input from above / below	Connections input / output
BAE-ISO-NH00 / 3P	3	375 x 250 x 175	wall mounting	2 x M25 / 2 x M25	M8
BAE-ISO-NH 1 / 3P	3	500 x 375 x 225	wall mounting	2 x M32 / 2 x M32	M10
BAE-ISO-NH 2 / 3P	3	500 x 375 x 225	wall mounting	2 x M40 / 2 x M40	M10
BAE-ISO-NH 3 / 3P	3	500 x 375 x 225	wall mounting	2 x M40 / 2 x M40	M10
Standard for UPS-systems up to 550V DC (special UPS fuses are required)					
Type	Number of poles	Dimensions H x W x D [ mm ]	Mounting	Cable input from above / below	Connections input / output
BAE-ISO-NH00 / 2x1P	2	375 x 250 x 175	wall mounting	2 x M25 / 2 x M25	M8
BAE-ISO-NH 2 / 2x1P	2	750 x 375 x 275	wall mounting	4 x M40 / 4 x M40	Cu bus 3xM10
BAE-ISO-NH 3 / 2x1P	2	750 x 375 x 275	wall mounting	4 x M40 / 4 x M40	Cu bus 3xM10
BAE-KG- NH 4a / 2x1P	2	800 x 600 x 300	wall mounting	4 x M50 / 4 x M50	Cu bus 3xM16
Special design (2 x battery strings) for UPS-systems up to 550V DC (special UPS fuses are required)					
Type	Number of poles	Dimensions H x W x D [ mm ]	Mounting	Cable input from above / below	Connections input / output
BAE-ISO-NH00 / 4x1P	4	500 x 375 x 225	wall mounting	4 x M32 / 2 x M32	M8 / Cu bus 2xM8
BAE-KG -NH 2 / 4x1P	4	800 x 600 x 300	wall mounting	4 x M40 / 4 x M40	M10 / Cu bus 2xM12
BAE-KG -NH 3 / 4x1P	4	800 x 600 x 300	wall mounting	8 x M40 / 6 x M50	M12 / Cu bus 2xM12
BAE-KG -NH 4a / 4x1P	4	1000 x 800 x 300	wall mounting	8 x M50 / 6 x M50	M16 / Cu bus 3xM12
<b>with combined fuse load breakers for each plus and minus pole connected on the UPS side</b>					

## Technical parameters

- ▶ NH00: 6-125A / NH1: 125-250A / NH2: 250-400A / NH3: 400-630A / NH4a: 630-1250A
- ▶ Ambient conditions:
  - a) Ambient temperature -10°C bis +40°C
  - b) Relative humidity 5% to 95%, without condensation
  - c) Grade of dirt 2
- ▶ Protection class (electrical) II
- ▶ Protection class (mechanical) IP54
- ▶ BAE-ISO = in an insulated enclosure with removable transparent lid
- ▶ BAE-KG = in a plastic cabinet with door

## Standard equipment

- ▶ Fuse load breaker of 1 pole or 3 poles
- ▶ Cable gland connections of M-type made of polycarbonate for different cable diameters
- ▶ Wall mounting brackets
- ▶ Screws for copper terminal buses

## Options

- ▶ Copper terminal buses to combine BAE-KG-NH2/NH3/NH4a/4x1p on the battery side
- ▶ Circuit breaker MCCB of up to max. 750V DC / 800A instead of fuse load breakers
- ▶ Battery center tap connection
- ▶ Position indicator open-close
- ▶ Fuse monitoring of up to max. 440V DC
- ▶ Battery fuse load breakers up to 3 x NH00/3p (500x375x225mm) or 5 x NH00/3p (750x375x275mm)

