## SIEMENS

#### **Operating Instructions**

# SICOP **Bimetal Relay with Single Phasing Protection** Type 3UA58 30



The Siemens 3UA58 30 bi-rela provide accurate overload and accelerated single phasing protection for three phase otors having rated curents 120 It incorporates dual slider principle for accelerated troping under single phasing

### **Technical Data**

Rated in sulation voltage for main circuit Ambient temperature compensation Rated : Ranges up 120A operating current Frequency of operation

: 15 operations per hour.

#### Selection (Setting ranges)

The Bi-relays are available in 3 different ranges. The ranges are listed in Table 1.



#### ort Circuit rotection

The bireas have to be protected from short circuits. mandatory to use backup HRCE ises.The n aximum permissible ratings of Siernens fuses as per IS 13947 t-4 (Type 3NA1) corresponding to type 2 coordination for each relay range are listed in Table 1. Maximum backup : 6 Amps use rating type 3NA1 auxiliary circuit

#### Installation

The Bi-relay type 3UA58 30 is suitable for mounting directly on Siemens contactor type 3TF50. Flat links shown on outgoing side are supplied loose in polythene bag and packed in relay carton. For individual mounting an adaptor type 3UX1421-0XA is available which should be ordered out separately. See Fig. 1 & 2 for permitted mounting position. Care should be taken to avoid shocks and prolonged vibrations, For dimensional details refer Fig. 3 & 4.





Fig. 1

#### Dimension (mm)



The average tripping characteristics for 3 phase overload and single phasing i.e. 2 phase overloads is given in data sheet. Individuall characteristics for each range are available on request. Please get in touch with the nearest Siemens office.

for 'Manual Resetting'. This can be

converted to 'Automatic Resetting'

by pressing the reset button (P2)

anti-clockwise from H (Manual) to

with screw driver and turning it

A (Automatic) upto limit.

24

60

120

230

415

500

690

2

1.5

1.25

1.15

1

1

0,8

24

60

110

220

2

0.5

0,3

0.2