



3UA59



3UA62, 3UA66, 3UA68

### Application

3UA series thermal relay is suitable for using in power system with AC 50Hz, rated operation voltage up to 660V and 1000V, in main circuit, current from 0.1A to 630A. It is used to protect AC three-phase asynchronous motor against overload and open-phase.

The relays have the test push-button for breaking NC contacts and the operating indication and free trip characteristics. The products also can be supplied with protecting case to ensure safety. The products can plug in the contactor and install independently or mount by rail.

### Technical Specification

| Type           | Rated operating current (A) | Rated operating voltage (V) | Current setting range (A)  |
|----------------|-----------------------------|-----------------------------|--|
| 3UA50          | 12.5                        | 660                         | 0.1-0.16, 0.16-0.25, 0.25-0.4, 0.32-0.63, 0.63-0.1, 0.8-1.25, 1-1.6, 1.25-2, 1.6-2.5, 2-3.2, 2.5-4, 3.2-5, 4-6.3, 5-8, 6.3-10, 8-12.5  |
| 3UA52          | 25                          | 660                         | 0.1-0.16, 0.16-0.25, 0.25-0.4, 0.4-0.63, 1.63-1, 0.8-1.25, 1-1.6, 1.25-2, 1.6-2.5, 2-3.2, 2.5-4, 3.2-5, 4-6.3, 5-8, 6.3-10, 8-12.5, 10-16, 12.5-20, 16-25                                    |
| 3UA54          | 32                          | 660                         | 4-6.3, 6.3-10, 10-16, 12.5-20, 16-25, 20-32  |
| 3UA58          |                             |                             | 16-25, 20-32, 25-40, 32-50, 40-57, 50-63, 57-70, 63-80   |
| 3UA59          | 63                          | 660                         | 0.1-0.16, 0.16-0.25, 0.25-0.4, 0.4-0.63, 0.63-1, 0.8-1.25, 1-1.6, 1.25-2, 1.6-2.5, 2-3.2, 2.5-4, 3.2-5, 4-6.3, 5-8, 6.3-10, 8-12.5, 10-16, 12.5-20, 16-25, 20-32, 25-40, 32-45, 40-57, 50-63 |
| 3UA62          | 180                         | 660                         | 55-80, 63-90, 80-110, 90-120, 110-135, 120-150, 135-160, 150-180   |
| 3UA66<br>3UA68 | 400<br>630                  | 1000<br>1000                | 80-125, 125-200, 180-250, 200-320, 250-400<br>320-500, 400-630   |

Thermal Overload Relay

# BSE1 Magnetic Starter



BSE1-09~18



BSE1-40~65

### Application

BSE1 series Magnetic starter is mainly used in the circuit of AC 50Hz or 60Hz, rated insulation voltage of 440V, and the rated current up to 95A, apply to start the electromotor and parking.

### Technical Specification

| Model   | Rated working current | Three phase capacity |           |           | Matching thermal overload relay | Current setting range |
|---------|-----------------------|----------------------|-----------|-----------|---------------------------------|-----------------------|
|         |                       | 220V 230V            | 380V 400V | 415V/440V |                                 |                       |
| BSE1-09 | 9                     | 2.2                  | 4         | 4         | BR-D1314                        | 7~10                  |
| BSE1-12 | 12                    | 3                    | 5.5       | 5.5       | BR-D1316                        | 9~13                  |
| BSE1-18 | 18                    | 4                    | 7.5       | 9         | BR-D1321                        | 12~18                 |
| BSE1-25 | 25                    | 5.5                  | 11        | 11        | BR-D1322                        | 17~25                 |
| BSE1-32 | 32                    | 7.5                  | 15        | 15        | BR-D2353                        | 23~32                 |
| BSE1-40 | 40                    | 11                   | 18.5      | 22        | BR-D3355                        | 30~40                 |
| BSE1-50 | 50                    | 15                   | 22        | 25        | BR-D3359                        | 48~65                 |
| BSE1-65 | 65                    | 18.5                 | 30        | 37        | BR-D3361                        | 55~70                 |
| BSE1-80 | 80                    | 22                   | 37        | 45        | BR-D3363                        | 63~80                 |
| BSE1-95 | 95                    | 25                   | 45        | 45        | BR-D3365                        | 80~93                 |