



| Type       | Current rating | Number of contacts | Design     | Supply terminals                      |
|------------|----------------|--------------------|------------|---------------------------------------|
| VS116K     | 16 A           | 1                  | DIN (1M)   | A1 - A2 230 V AC / A1 - A3 24 V AC/DC |
| VS116U     | 16 A           | 1                  | DIN (1M)   | A1 - A2 12- 240 V AC/DC               |
| VS116B/230 | 16 A           | 1                  | BOX (MINI) | L-N 230 V AC                          |
| VS308K     | 8 A            | 3                  | DIN (1M)   | A1 - A2 230 V AC / A1 - A3 24 V AC/DC |
| VS308U     | 8 A            | 3                  | DIN (1M)   | A1 - A2 12 - 240 V AC/DC              |
| VS316/24   | 16 A           | 3                  | DIN (1M)   | A1 - A2 24 V AC/DC                    |
| VS316/230  | 16 A           | 3                  | DIN (1M)   | A1 - A2 230 V AC                      |

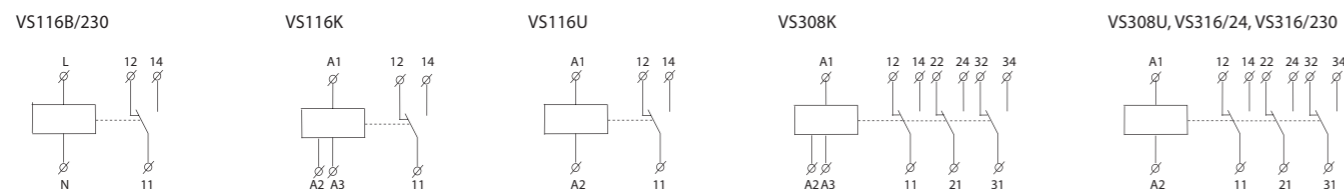
- Power relay used for switching larger load output, strengthen or „multiplying“ contacts of the existing device.
- Relays VS316/24, VS316/230 enable connection to a 3-phase circuit.
- In the design 1-MODULE , DIN rail mounting, output status indicated by high intensity LED with choice of LED color (red, green, yellow, blue or white LED\*).
- VS116/B230 MINI, mounting in installation box or ceilings, enabling switching of lights, motors for blinds or awnings.
- For VS116/B230 status of output indicated by LED on front panel of device.

| Technical parameters                    | VS116B/230          | VS116K                | VS116U                        | VS308K                | VS308U                        | VS316/24              | VS316/230           |
|---|---------------------|-----------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|---------------------|
| Supply terminals:                       | L - N               |                       |                               | A1 - A2               |                               |                       |                     |
| Voltage range:                          | AC 230 V / 50-60 Hz | AC 230 V / 50-60 Hz   | AC/DC 12-240 V / 50-60 Hz     | AC 230 V / 50-60 Hz   | AC/DC 12-240 V / 50-60 Hz     | AC/DC 24 V / 50-60 Hz | AC 230 V / 50-60 Hz |
| Burden (max.):                          | AC 7.5 VA / 1 W     | AC 7.5 VA / 1 W       | AC 0.7 - 3 VA/ DC 0.5 - 1.7 W | AC 10.3 VA / 1.1 W    | AC 0.7 - 3 VA/ DC 0.5 - 1.7 W | 1.6 VA / 1.2 W        | 2.5 VA              |
| Supply terminals:                       | x                   | A1 - A3               | x                             | A1 - A3               |                               | x                     |                     |
| Voltage range:                          | x                   | AC/DC 24 V (50-60 Hz) | x                             | AC/DC 24 V (50-60 Hz) |                               | x                     |                     |
| Burden:                                 | x                   | AC 1 VA/ DC 1W        | x                             | AC 1 VA/ DC 1W        |                               | x                     |                     |
| Supply voltage tolerance:               |                     |                       |                               | -15%; +10%            |                               |                       |                     |
| Max. dissipated power (Un + terminals): |                     | 4 W                   |                               | 3 W                   |                               | 8 W                   | 6 W                 |

| Output                  | VS116B/230                                 |  | VS116K                |  | VS116U                                    |  | VS308K                |  | VS308U                                     |  | VS316/24              |  | VS316/230                                  |  |
|-------------------------|--|--|-----------------------|--|---|--|-----------------------|--|--|--|-----------------------|--|--|--|
| Number of contacts:     | 1 x changeover/ SPDT (AgSnO <sub>2</sub> ) |  | 16 A/ AC1             |  | 3 x changeover/TPDT (AgNi / Silver Alloy) |  | 8 A/ AC1              |  | 3 x changeover/ TPDT (AgSnO <sub>2</sub> ) |  | 16 A/ AC1             |  | 3 x changeover/ TPDT (AgSnO <sub>2</sub> ) |  |
| Current rating:         | 4000VA/ AC1, 384W/ DC                      |  | 30 A/ <3s             |  | 250 V AC1/ 24 V DC                        |  | 2000VA/ AC1, 192W/ DC |  | 10 A/ <3s                                  |  | 4000VA/ AC1, 384W/ DC |  | 30 A/ <3s                                  |  |
| Breaking capacity:      | 30 A/ <3s                                  |  | 250 V AC1/ 24 V DC    |  | high intensity of LED                     |  | 10 A/ <3s             |  | 250 V AC1/ 24 V DC                         |  | high intensity of LED |  | 10 A/ <3s                                  |  |
| Inrush current:         | 30 A/ <3s                                  |  | 250 V AC1/ 24 V DC    |  | high intensity of LED                     |  | 10 A/ <3s             |  | 250 V AC1/ 24 V DC                         |  | high intensity of LED |  | 10 A/ <3s                                  |  |
| Switching voltage:      | 30 A/ <3s                                  |  | 250 V AC1/ 24 V DC    |  | high intensity of LED                     |  | 10 A/ <3s             |  | 250 V AC1/ 24 V DC                         |  | high intensity of LED |  | 10 A/ <3s                                  |  |
| Output indication:      | red LED                                    |  | high intensity of LED |  | 3x10 <sup>7</sup>                         |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  |
| Mechanical life:        | red LED                                    |  | high intensity of LED |  | 3x10 <sup>7</sup>                         |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  |
| Electrical life (AC1):  | red LED                                    |  | high intensity of LED |  | 3x10 <sup>7</sup>                         |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  |
| Time between switching: | red LED                                    |  | high intensity of LED |  | 3x10 <sup>7</sup>                         |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  | 1x10 <sup>7</sup>     |  | 3x10 <sup>7</sup>                          |  |

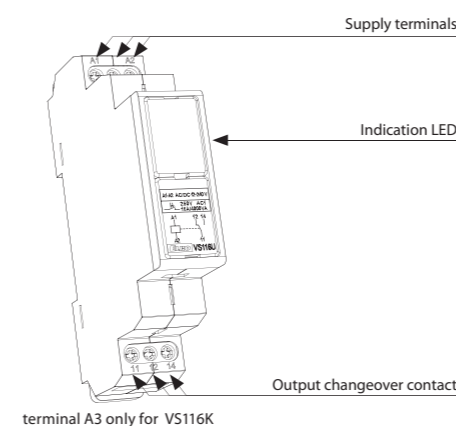
| Other information                   |  |  |                |                 |                |                 |                      |
|-------------------------------------|--|--|----------------|-----------------|----------------|-----------------|----------------------|
| Operating temperature:              | -20.. +55 °C   |  |                |                 |                |                 |                      |
| Storage temperature:                | -30.. +70 °C   |  |                |                 |                |                 |                      |
| Electrical strength:                | 4 kV (supply-output)   |  |                |                 |                |                 |                      |
| Operating position:                 | any  |  |                |                 |                |                 |                      |
| Mounting:                           | free at connecting   | DIN rail EN 60715                      |                |                 |                |                 |                      |
| Protection degree:                  | wire   | IP40 from front panel / IP20 terminals |                |                 |                |                 |                      |
| Overvoltage category:               | IP30   | III.                                   |                |                 |                |                 |                      |
| Pollution degree:                   | 2  |  |                |                 |                |                 |                      |
| Max. cable size (mm <sup>2</sup> ): | 2x 0.75 mm <sup>2</sup> (AWG 18),<br>3x 2.5 mm <sup>2</sup> (AWG 10) | max. 1x 2.5 or 2x 1.5                  |                |                 |                |                 | max. 1x 2.5 (AWG 12) |
| Dimensions:                         | 49 x 49 x 21 mm (2" x 2" x 0.8")                                     | 90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5") |                |                 |                |                 |                      |
| Weight:                             | 48 g (1.7 oz.)   | 56 g (2 oz.)                           | 59 g (2.1 oz.) | 78 g (2.75 oz.) | 80 g (2.8 oz.) | 90 g (3.17 oz.) | 93 g (3.3 oz.)       |
| Standards:                          | EN 61810-1, EN 61010-1   |  |                |                 |                |                 |                      |

Symbol

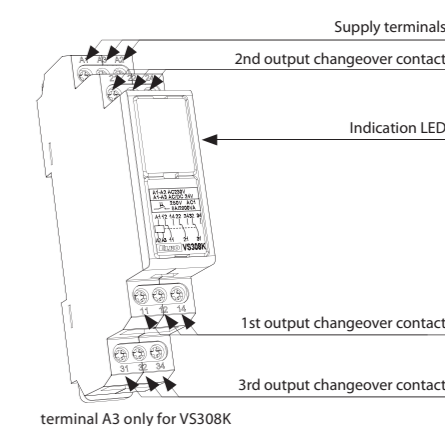


Description

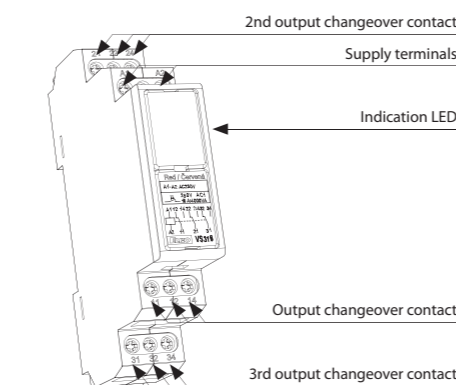
VS116K, VS116U



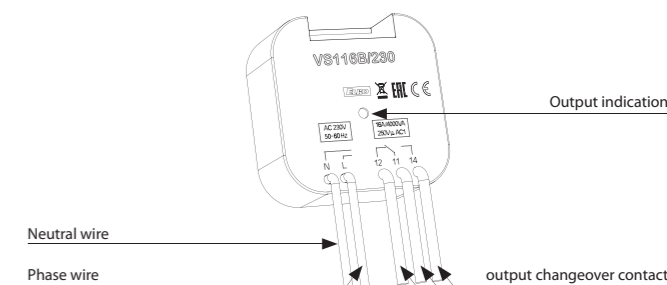
VS308K, VS308U



VS316/24, VS316/230



VS116B/230



EAN codes

|                |               |                |               |                   |               |
|----------------|---------------|----------------|---------------|-------------------|---------------|
| VS116B/230     | 8595188147545 |                |               |                   |               |
| VS116K /red    | 8595188122597 | VS308K /red    | 8595188122696 | VS316 /24 red     | 8595188135771 |
| VS116K /green  | 8595188122610 | VS308K /green  | 8595188122719 | VS316 /24 green   | 8595188136105 |
| VS116K /yellow | 8595188122580 | VS308K /yellow | 8595188122689 | VS316 /24 yellow  | 8595188136129 |
| VS116K /white  | 8595188122573 | VS308K /white  | 8595188122672 | VS316 /24 white   | 8595188136099 |
| VS116K /blue   | 8595188122603 | VS308K /blue   | 8595188122702 | VS316 /24 blue    | 8595188136112 |
| VS116U /red    | 8595188124607 | VS308U /red    | 8595188130103 | VS316 /230 red    | 8595188135559 |
| VS116U /green  | 8595188136433 | VS308U /green  | 8595188136440 | VS316 /230 green  | 8595188136075 |
| VS116U /yellow | 8595188138499 | VS308U /yellow | 8595188138529 | VS316 /230 yellow | 8595188136082 |
| VS116U /white  | 8595188138482 | VS308U /white  | 8595188138512 | VS316 /230 white  | 8595188136051 |
| VS116U /blue   | 8595188138475 | VS308U /blue   | 8595188138505 | VS316 /230 blue   | 8595188136068 |

Notes

Max. time of changeover of contact is 10ms.

VS316/24 or VS316/230 enables switching of different phases or 3 phase voltage.

\* possibility to choose blue, white and yellow color of LED for power relays line VS in case of minimal order quantity 100 pcs.