

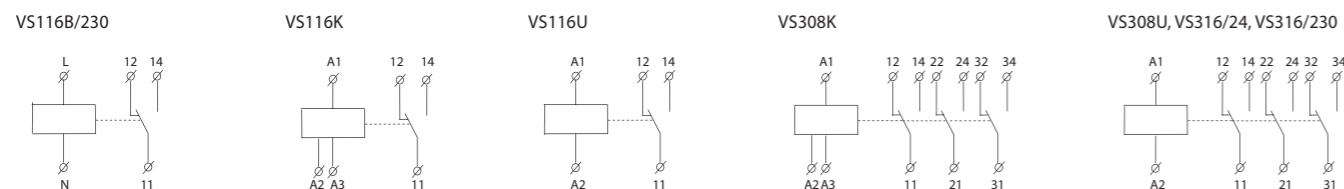


| Type       | Current rating | Number of contacts | Design     | Supply terminals                      |
|------------|----------------|--------------------|------------|---------------------------------------|
| VS116K     | 16 A           | 1                  | DIN (1M)   | A1 - A2 230 V AC / A1 - 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.

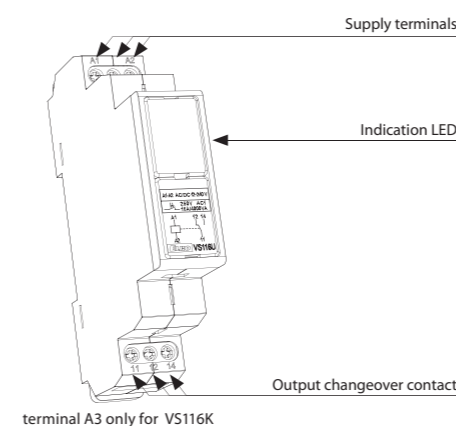
| Technical parameters                    | VS116B/230  | VS116K                                 | VS116U                        | VS308K                                     | VS308U                        | VS316/24                                   | VS316/230           |
|---|---|--|-------------------------------|--|-------------------------------|--|---------------------|
| 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                 |
| <b>Output</b>                           |   |  |                               |  |                               |  |                     |
| Number of contacts:                     | 1 x changeover/ SPDT (AgSnO <sub>2</sub> )                        |  |                               | 3 x changeover/TPDT (AgNi / Silver Alloy)  |                               | 3 x changeover/ TPDT (AgSnO <sub>2</sub> ) |                     |
| Current rating:                         | 16 A/ AC1   |  |                               | 8 A/ AC1                                   |                               | 16A/ AC1                                   |                     |
| Breaking capacity:                      | 4000VA/ AC1, 384W/ DC   |  |                               | 2000VA/ AC1, 192W/ DC                      |                               | 4000VA/ AC1, 384W/ DC                      |                     |
| Inrush current:                         | 30 A / <3s  |  |                               | 10 A / <3s                                 |                               | 30 A / <3s                                 |                     |
| Switching voltage:                      | 250 V AC1/ 24 V DC  |  |                               |  |                               |  |                     |
| Output indication:                      | red LED   | high intensity of LED                  |                               |  |                               |  |                     |
| Mechanical life:                        |   |  | 3x10 <sup>7</sup>             |  |                               |  | 1x10 <sup>7</sup>   |
| Electrical life (AC1):                  |   |  | 0.7x10 <sup>5</sup>           |  |                               |  | 1x10 <sup>5</sup>   |
| Time between switching:                 |   |  | min. 2s                       |  |                               | 20 ms                                      | 50 ms               |
| <b>Other information</b>                |   |  |                               |  |                               |  |                     |
| Operating temperature:                  | -20.. +55 °C  |  |                               |  |                               |  |                     |
| Storage temperature:                    | -30.. +70 °C  |  |                               |  |                               |  |                     |
| Electrical strength:                    | 4 kV (supply-output)  |  |                               |  |                               |  |                     |
| Operating position:                     | any   |  |                               |  |                               |  |                     |
| Mounting:                               | free at connecting wire   | DIN rail EN 60715                      |                               |  |                               |  |                     |
| Protection degree:                      | IP30  | IP40 from front panel / IP20 terminals |                               |  |                               |  |                     |
| Overvoltage category:                   | III.  |  |                               |  |                               |  |                     |
| Pollution degree:                       | 2   |  |                               |  |                               |  |                     |
| Max. cable size (mm <sup>2</sup> ):     | 2x 0.75 mm <sup>2</sup> (AWG 18), 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

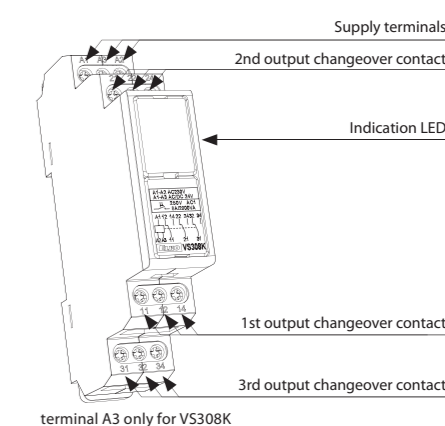


Description

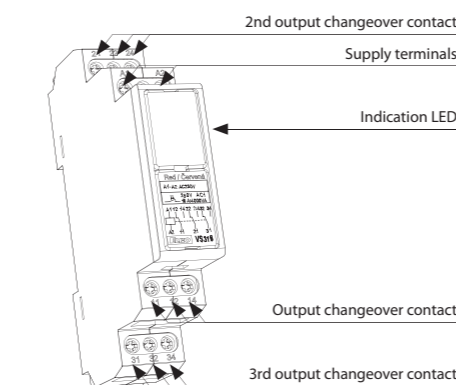
VS116K, VS116U



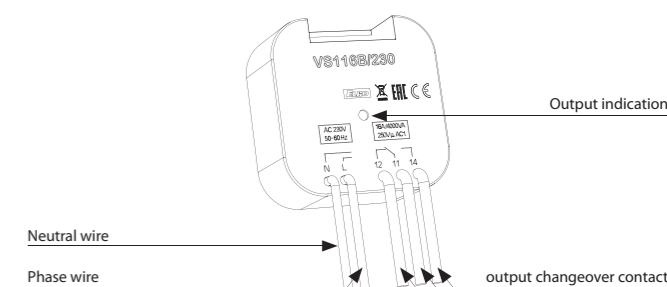
VS308K, VS308U



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.

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