

Power relays modular type VS



- Power relay used for switching larger load output, strengthen or „multiplying“ contacts of the existing device

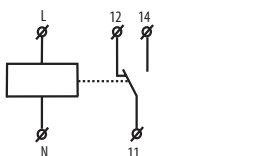
Type	Current rating	Number of contacts	Design	Supply terminals
VS116K	16 A	1	DIN (1M)	A1 - A2 230V AC/ A1 - A3 24V AC/DC
VS116U	16 A	1	DIN (1M)	A1 - A2 12- 240V AC/DC
VS116B/230	16 A	1	BOX (MINI)	L-N 230V AC
VS308K	8 A	3	DIN (1M)	A1 - A2 230V AC/ A1 - A3 24V AC/DC
VS308U	8 A	3	DIN (1M)	A1 - A2 12-240V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

- 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

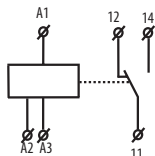
Technical parameters	VS116B/230	VS116K	VS116U	VS308K	VS308U	VS316/24	VS316/230
Supply terminals:	L-N	A1 - A2					
Voltage range:	AC 230 V/50-60 Hz	AC 230 V/50-60 Hz	AC/DC 12-240 V/ 50-60 Hz	AC 230 V/ 50-60 Hz	AC/DC 12-240 V/ 50-60 Hz	AC/DC 24 V/ 50-60 Hz	AC 230 V/ 50-60 Hz
Burden:	AC max. 7.5 VA/ 1W	AC max. 7.5 VA/ 1W	AC 0.7 - 3 VA/ DC 0.5 - 1.7 W	AC max. 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%						
Output							
Number of contacts:	1 x changeover/ SPDT (AgSnO ₂)			3 x changeover/3PDT (AgNi / Silver Alloy)		3 x changeover/ 3PDT (AgSnO ₂)	
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						
Min. breaking capacity DC:	500 mW						
Output indication:	red LED	high intensity of LED					
Mechanical life:					3x10 ⁷	1x10 ⁷	
Electrical life (AC1):					0.7x10 ⁵	1x10 ⁵	
Time between switching:	min. 2s				min. 2s	20 ms	50 ms
Other information							
Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)						
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)						
Electrical strength:	4 kV (supply-output)						
Operating position:	any						
Mounting/DIN rail:	free at connecting wire	DIN rail EN 60715					
Protection degree:	IP 30	IP 40 from front panel					
Overvoltage category:	III.						
Pollution degree:	2						
Max. cable size (mm²):	2x Ø 0.75 mm², 3x Ø 2.5 mm²	max.1x 2.5 or 2x1.5 max. 1x2.5					
Dimensions:	49 x 49 x 21 mm	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")					
Weight:	48 g	54 g (1.9 oz.)	58 g (2.05 oz.)	52 g (1.83 oz.)	83g (2.9 oz.)	90 g (3.17 oz.)	92 g (3.25 oz.)
Standards:	EN 61810-1, EN 61010-1			EN 61810-1, EN 61010-1			

Symbol

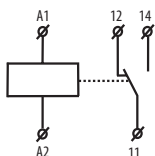
VS116B/230



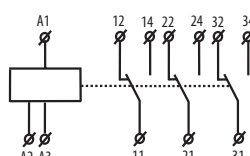
VS116K



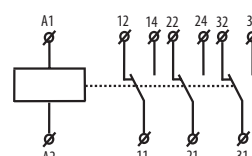
VS116U



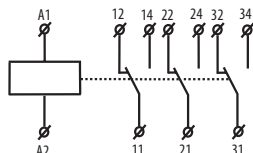
VS308K



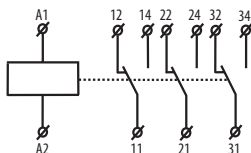
VS308U



VS316/24



VS316/230



Notes

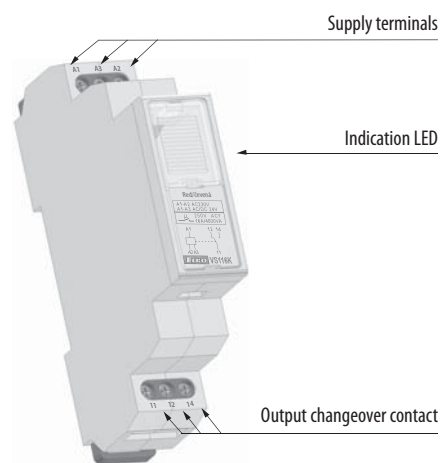
Max. time of changeover of contact is 10ms.

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.

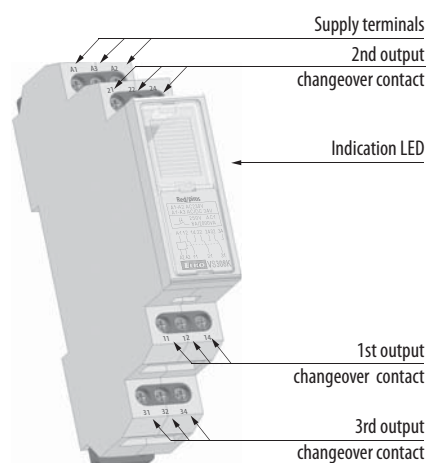
Description

VS116K, VS116U



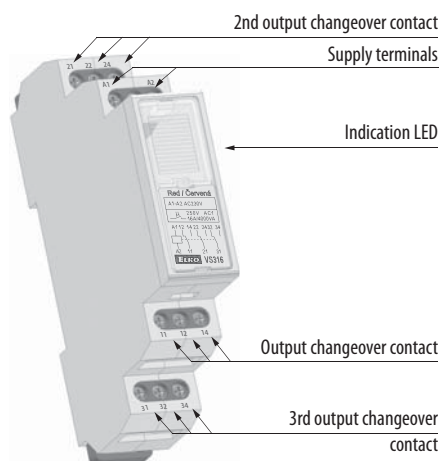
terminal A3 only for VS116K

VS308K, VS308U

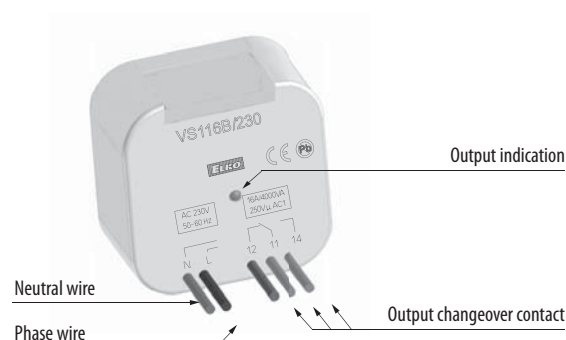


terminal A3 only for VS308K

VS316/24, VS316/230



VS116B/230



EAN codes

VS116B/230 8595188147545

VS116K /red 8595188122597
 VS116K /green 8595188122610
 VS116K /yellow 8595188122580
 VS116K /white 8595188122573
 VS116K /blue 8595188122603

VS308K /red 8595188122696
 VS308K /green 8595188122719
 VS308K /yellow 8595188122689
 VS308K /white 8595188122672
 VS308K /blue 8595188122702

VS316 /24 red 8595188135771
 VS316 /24 green 8595188136105
 VS316 /24 yellow 8595188136129
 VS316 /24 white 8595188136099
 VS316 /24 blue 8595188136112

VS116U /red 8595188124607
 VS116U /green 8595188136433
 VS116U /yellow 8595188138499
 VS116U /white 8595188138482
 VS116U /blue 8595188138475

VS308U /red 8595188130103
 VS308U /green 8595188136440
 VS308U /yellow 8595188138529
 VS308U /white 8595188138512
 VS308U /blue 8595188138505

VS316 /230 red 8595188135559
 VS316 /230 green 8595188136075
 VS316 /230 yellow 8595188136082
 VS316 /230 white 8595188136051
 VS316 /230 blue 8595188136068