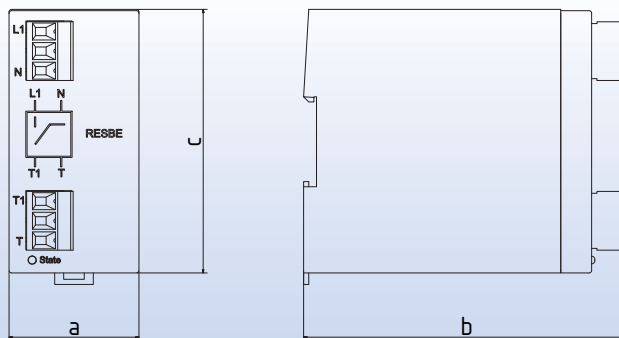
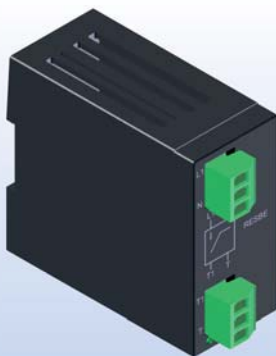




Inrush current limiters



RESBE and RESBD single-phase and 3-phase

General information:

When energy consumers are switched on inrush current surges can arise and lead to undesired activation of fuse elements. In such cases use of inrush current limiters is useful for enabling selective fusing. Through line-side (upstream) installation of our inrush current limiters from the RESBE and RESBD series commercially available fuses and line circuit breakers can be used.

The RESBE and RESBD series has been realised through our patent application 'Inrush current limitation with time-controlled second switching element'.

To eliminate the bypass current surge the load duty cycle should be longer than the duration of the inrush current limitation. If this cannot be implemented, we recommend the 'release output' option for the loads with a release input or with a remote input/output.

ELECTRICAL SPECIFICATIONS	RESBE 230V 4A	RESBE 230V 10A	RESBE 230V 16A	RESBE 115V 16A	RESBE 400V 16A	RESBE 208V 16A	RESBD 400V 16A	RESBD 208V 16A
Nominal voltage Vnom	AC 230V			AC 115V	AC 400V	AC 208V	3AC 400V	3AC 208V
Voltage range Vmin-Vmax	AC 195-264V			AC 85-132V	AC 340-460V	AC 176-240V	3AC 340-460V	3AC 176-240V
Frequency	45-65Hz							
Overvoltage protection	Varistor						Varistors	
Continuous current Imax	4A	10A	16A					
Maximum inrush current surge, typical (@Ta=25°C/Umax)	<8A <5ms	<18A <5ms	<36A <5ms	<18A <5ms	<32A <5ms	<32A <5ms	<32A <5ms	<17A <5ms
Maximum inrush current surge, typical (@Ta=60°C/Umax)	<18A <5ms	<56A <5ms	<104A <5ms	<53A <5ms	<96A <5ms	<96A <5ms	<96A <5ms	<44A <5ms
Duration of current limitation	<1s							
Maximum switching frequency	30 1/h							
Protection class	IP 20							
Ambient temperature	0 to 60°C							
Installation position	any							
Weight	250g	240g			250g	240g	260g	
Dimensions in mm (W x H x D)	51 x 105 x 127							
Article no.	0202-00000007	0202-00000008	0202-00000009	0202-00000010	0202-00000011	0202-00000012	0202-00000013	0202-00000014
OPTIONS (at extra charge)								
Release output for connection of load	DC 3-30V							
Other voltages	yes							
Other frequencies	16 ^{2/3} - 400Hz							
Duration, adjustable on delivery	0.2 - 1s							