

Inrush current limiter, current-controlled with no-load detection

ESG 4 / ESG 5



General Data

Rated voltage 115 Vac (ESG 5), 230 Vac (ESG 4)
Rated current 13 A
Internal resistance 7.8 Ohms (ESG 4), 4.4 Ohms (ESG 5)
Maximum ambient temperature 40 °C
Degree of protection IP 65 (Enclosure); IP 20 (plug/connector)

Advantages

Dynamic limit times for optimum inrush of loads with high inrush currents
Current-controlled with no-load detection, hence full current limit protection, even if momentarily switched back on
Very good moisture protection thanks to XtraDenseFill resin encapsulation
May be used anywhere for stationary and mobile applications
High degree of protection
ESG 4: 2 x Connection cable with plug and coupling BS 1363 (UK) for mobile use
ESG 5: 2 x Connection cable with plug and coupling NEMA5-15 (USA) for mobile use

Applications

Inrush current limiting option for limiting the inrush current in power tools, transformers and other loads with high switch-on or inrush currents.

Approvals



1 Transformers

Inrush current limiters



Inrush current limiter, current-controlled with no-load detection

ESG 4 / ESG 5

Electrical data	Typ	ESG 4	ESG 5
	Operating data		
	Rated voltage	230 Vac	115 Vac
	Voltage range	99 ... 253 Vac	99 ... 132 Vac
	Rated frequency	50 - 60 Hz	50 - 60 Hz
	Rated current	13 A	13 A
	Internal impedance	7.80 Ω	4.40 Ω
	Approvals	-	cURus
	Environment		
	Ambient temperature max.	40 °C	40 °C
	Safety and protection		
	Safety	integrated, non-replaceable thermal fuse in the input circuit	integrated, non-replaceable thermal fuse in the input circuit
	Type	Resin encapsulated transformer	Resin encapsulated transformer
	Protection index	housing IP 65, housing connections IP 20	housing IP 65, housing connections IP 20
	Safety class (prepared)	I	I
	Order numbers		
Mechanical data	Order Number	ESG 4	ESG 5
	Terminal and mounting		
	Terminals Input	Connecting cable with BS 1363 protected contact plug (UK)	Connecting cable with NEMA5-15 protected contact plug (USA)
	Terminals Output	Connecting cable with BS 1363 protected contact coupling (UK)	Connecting cable with NEMA5-15 protected contact coupling (USA)
	Measures and weights		
	Weight	0.75 kg	0.75 kg
	Dimension (W x H x D)	66 x 70 x 121 mm	66 x 70 x 121 mm
	Dimension picture (in mm)	①	①
	A	66	66
	B	70	70
	C	121	121

Dimension pictures

