

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

ESG 3 / ESG 7



General Data

Rated voltage 230 Vac $\pm 10\%$
Maximum rated current 16 A
Internal resistance 7.8 Ohm
Maximum ambient temperature 40 °C
Degree of protection IP 65 (Enclosure); IP 44 (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 3: 2 x Mains cables with safety plug and with safety plug and safety coupling DIN 49440-1 (GER) for mobile use
ESG 7: 2 x Mains cable with low-heat device connection C13 IEC 60321-1 (GER) 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 3 / ESG 7

Electrical data	Typ	ESG 3	ESG 7
	Operating data		
	Rated voltage	230 Vac	230 Vac
	Voltage range	99 ... 253 Vac	99 ... 264 Vac
	Rated frequency	50 - 60 Hz	50 - 60 Hz
	Rated current	16 A	10 A
	Internal impedance	7.80 Ω	7.80 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 44	housing IP 65, housing connections IP 44
	Safety class (prepared)	I	I
	Order numbers		
Mechanical data	Order Number	ESG 3	ESG 7
	Terminal and mounting		
	Terminals Input	Mains connecting cable with DIN49440,1 protected contact plug DIN 49440-1 (GER)	Mains cable with low#heat device plug C14 IEC 60321#1
	Terminals Output	Connecting cable with DIN49440,1 protected contact coupling DIN 49440-1 (GER)	Mains cable with low#heat device connection C13 IEC 60321#1 (GER) for mobile use
	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

