

Technical data

E16DU

Electronic
Overload
relays

2

General technical data

Type	E 16 DU	
Standards:	UL508, IEC 60 947-4-1 / IEC 60 947-5-1 EN 60 947-4-1 / EN 60 947-5-1	
Rated insulation voltage U_i	UL / IEC V	600 / 690
Rated operational voltage U_o	UL / IEC V	600 / 690
Impulse withstand voltage U_{imp}	kV	6
Permissible ambient temperature		
- for storage	°C	- 25 to 70
- with compensated operation	°C	- 25 to 70
Climatic resistance acc. to	IEC 68-2-1, IEC 68-2-2, IEC 68-2-14, IEC 68-2-30	
Resistance to shock	Shock duration ms	11
	multiple of g	15
Resistance to vibrations (±1 mm, 10 ... 100 Hz)	multiple of g	5
Mounting	- on contactor - with AB... kit	Direct to contactor's main terminal
Terminal types and connecting capacity of main conductors (on load side) /and auxiliary contacts.		
- Screw terminals (screw size)		M3.5
- with self-disengaging clamping piece		-
- with terminal block		-
- with busbar or cable lugs		-
- Torque	lbin / Nm	7 / 1.0
- connection cross sections		
- copper stranded	AWG / mm ²	10 - 20 / 2X0.75...4
- flexible with connector sleeve	AWG / mm ²	10 - 20 / 2X0.75...4
Protection degree to IEC 947-1/EN 60 947-1	All terminals are safe from finger-touch and touch by the back of the hand in acc. with VDE 0106, Part 100	
Weight	lbs / kg	.33 / .15

Technical data of the current paths

Type	E 16 DU	
Number of paths	3	
Setting ranges	see page 2.21	
Tripping class acc. to IEC 947-4-1/EN 60 947-4-1	see page 2.21	
Operating frequency	Hz	50 and 60
Switching frequency without early tripping	up to 80 ops./h with 40 % continuous duty if starting current not higher than $6 \times I_n$ and starting time not longer than 1s	
Resistance per phase q and heat dissipation per phase in W acc. to max. setting current	see page 2.24	
Required fuses for short circuit protection	see page 2.24	