

# Technical data

## E200DU – E800DU

Electronic  
Overload  
relays

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Type	E200DU	E320DU	E500DU	E800DU
Standards: (major international & European standards)	IEC 60947-4-1, EN 60947-4-1, IEC 60947-5-1, EN 60947-5-1			
Approvals, certificates	UL, CSA			
Rated insulation voltage $U_i$ according to IEC 158-1, IEC 60947-4-1	V	690		
Impulse withstand voltage $U_{imp}$ according to IEC 60947-4-1	kV	6		
Permissible ambient temperature • for storage • with compensated operation	°C °C	-25 to +70 -25 to +70		
Climatic resistance according to:	IEC 68-2-1, IEC 68-2-2, IEC 68-2-14, IEC 68-2-30		IEC 68-2-1, IEC 68-2-2, IEC 68-2-30	
Mounting positions	multiple			
Resistance to shock (EN 61373)	Shock duration ms multiple of g	30 5		
Resistance to vibrations (EN 61373)	Category 1, Class B			
Mounting • on contactor • single mounting	2 x M4	2 x M4	2 x M4	2 x M4
Terminal types and connecting capacity of auxiliary contacts • Screw terminals (screw size) • with self-disengaging clamping piece • Torque	Nm	M3.5 1.0		
Connection cross sections – Single core or stranded – Flexible with connector sleeve	mm <sup>2</sup> mm <sup>2</sup>	2 x 0.75...4 2 x 0.75...4		
Terminal types and connecting capacity of main conductors • Screw terminals (screw size) • with busbar or cable lugs	M8	M10	M10 (bars are accessories)	M12 (bars are accessories)
Protection degree to IEC 947-1/EN 60 947-1	All auxiliary contact terminals are safe from finger touch and touch by the back of the hand in accordance with VDE 0106, Part 100. Main contact terminals are safe from finger touch only with appropriate terminal covers			
Number of current paths	3			
Setting ranges	A	65 – 200	105 – 320	170 – 500 270 – 800
Tripping class according to IEC 947-4-1/EN 60 947-4-1	10, 20, 30			
Operating frequency	Hz	50 and 60 for three phase current only		
Weight	lb/kg	1.72 / .78	1.85 / .84	2.60 / 1.18 9.35 / 4.24

NOTE:• Installation and maintenance have to be performed according to the technical rules, codes and relevant standards by skilled electricians only.

- When using the “Auto” setting, remember that this means the overload will automatically reset after tripping and the motor may restart automatically. This automatic restart could cause harm to personnel and material.
- The overload relay must be exchanged for a new one in case of mechanical and/or electrical damage to prevent harm to personnel and material.