

Product No: EF460-500

ABB ELECTRONIC OVERLOAD RELAY 150 - 500A SUITS AF400-AF460 EF460-500

FEATURES

- Self-Supplied Operation
- Adaptable to various motor applications for optimal protection
- High Accuracy Protection
- Includes features like temperature compensation, trip contacts, selectable reset modes, and trip indication



General Information	
Brand	ABB
Product Type	Electronic Overload Relay
Suitable For	AF400, AF460

No. of Normally-closed Auxiliary Contacts No. of Normally-open Auxiliary Contacts 1 No. of Poles 3 No. of Protected Poles 3 Power Loss (W) 0.005 - 0.054W per Pole Rated Impulse Withstand Voltage (kV) Auxiliary Circuit: 6kV Main Circuit: 8kV Rated Insulation Voltage (V) 1000 Rated Operational Current (A) 500 Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 240V (A) Rated Operational Current DC-13 250V (A) Roted Operational Current DC-13 250V (A)	Technical Attributes	
No. of Poles No. of Protected Poles Rated Impulse Withstand Voltage (kV) Rated Insulation Voltage (V) Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 250V (A)	No. of Normally-closed Auxiliary Contacts	1
No. of Protected Poles Power Loss (W) Rated Impulse Withstand Voltage (kV) Rated Insulation Voltage (V) Rated Operational Current (A) Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current AC-13 125V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 240V (A) Rated Operational Current DC-13 250V (A)	No. of Normally-open Auxiliary Contacts	1
Power Loss (W) Rated Impulse Withstand Voltage (kV) Rated Insulation Voltage (V) Rated Operational Current (A) Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A)	No. of Poles	3
Rated Impulse Withstand Voltage (kV) Rated Insulation Voltage (V) Rated Operational Current (A) Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 400V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current AC-15 125V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A) Rated Operational Current DC-13 250V (A) Rated Operational Current DC-13 250V (A) O.27	No. of Protected Poles	3
Rated Insulation Voltage (V) Rated Operational Current (A) Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 400V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A) O.27	Power Loss (W)	0.005 - 0.054W per Pole
Rated Operational Current (A) Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 400V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A) 0.27	Rated Impulse Withstand Voltage (kV)	Auxiliary Circuit: 6kV Main Circuit: 8kV
Rated Operational Current AC-15 240V (A) Rated Operational Current AC-15 400V (A) 1.1 Rated Operational Current AC-15 500V (A) 0.75 Rated Operational Current DC-13 125V (A) 0.5 Rated Operational Current DC-13 24V (A) 1.5 Rated Operational Current DC-13 250V (A) 0.27	Rated Insulation Voltage (V)	1000
Rated Operational Current AC-15 400V (A) Rated Operational Current AC-15 500V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A) 0.27	Rated Operational Current (A)	500
Rated Operational Current AC-15 500V (A) Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A) 0.5 Rated Operational Current DC-13 250V (A) 0.27	Rated Operational Current AC-15 240V (A)	3
Rated Operational Current DC-13 125V (A) Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A) 0.5 Rated Operational Current DC-13 250V (A)	Rated Operational Current AC-15 400V (A)	1.1
Rated Operational Current DC-13 24V (A) Rated Operational Current DC-13 250V (A) 0.27	Rated Operational Current AC-15 500V (A)	0.75
Rated Operational Current DC-13 250V (A) 0.27	Rated Operational Current DC-13 125V (A)	0.5
	Rated Operational Current DC-13 24V (A)	1.5
Rated Operational Current DC-13 60V (A) 0.55	Rated Operational Current DC-13 250V (A)	0.27
	Rated Operational Current DC-13 60V (A)	0.55



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Setting Range	150 - 500

Physical Attributes	
Operational Temperature Range (°C)	-25 to 70
Storage Temperature Range (°C)	-25 to 70

Dimensions	
Dimensions (mm)	186W x 103.5H x 152.13D
Weight (kg)	1.182

Protection & Standards	
Degree of Protection	Housing: IP20
Standards and Approvals	IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947- 5-1, UL 60947-1, UL 60947-4-1