

RC 11 DX XX80/125

1 Phase electronic contactors for ohmic loads 80A and 125A



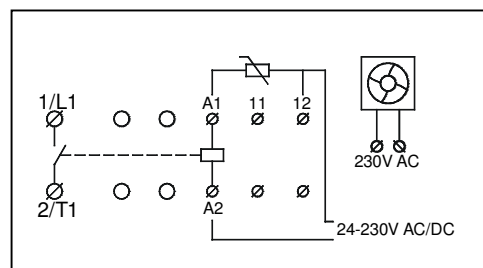
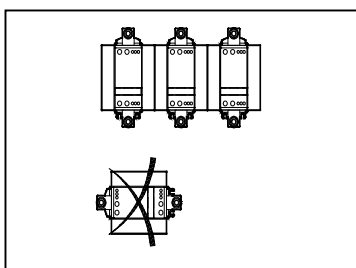
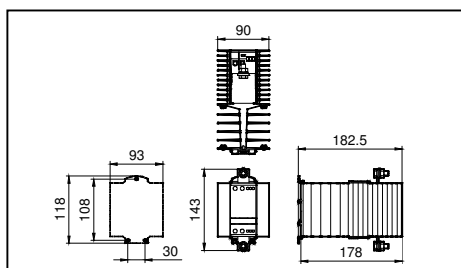
Rated operational voltage up to 480 VAC /50/60 Hz
 Rated operational current up to
 80A AC-1 and 125A AC-1
 Control voltage from 5-24VDC or 24-230VAC/DC
 LED status indication

Side by side mounting possible
 Meets EN 60947-4-3 requirements
 Temperature protection
 Installation of extra component are not necessary
 Forced ventilation can be mounted (80 mm)

Load AC	Line voltage 50/60 Hz	Control voltage	Item number	Load
80A	24-480 VAC	5-24 VDC	RC 11 DD 4080	38,0 kW/480 VAC
80A	24-480 VAC	24-230 VAC/DC	RC 11 DA 4080	38,0 kW/480 VAC
125A	24-480 VAC	5-24 VDC	RC 11 DD 40125	60,0 kW/480 VAC
125A	24-480 VAC	24-230 VAC/DC	RC 11 DA 40125	60,0 kW/480 VAC

RC 11 DD XX80/125		RC 11 DA XX80/125	
Control voltage	5-24 VDC	Control voltage	24-230 VAC/DC
Pick-up voltage max.	4,25 VDC	Pick-up voltage max.	20,4 VAC/DC
Drop-out voltage min.	1,5 VDC	Drop-out voltage min.	7,2 VAC/DC
Control current	15 mA @24VDC	Control current / power max.	8 mA/2,5 VA
Max. control voltage	32 VDC	Max. control voltage	253 VAC/DC
Response time max.	½ cyklus	Response time max.	1 cyklus

Output load specifications for 1-Phase	
Contacteur type	80A/125A
Operational current heater load (AC-1 / AC-51)	80A/125A
Minimum operational Current	
Leakage current - typical	5mA
Duty cycle	100%
Shot-circuit protection fuse max. (Type 1)	125A gL/gG
Semiconductor protection fuse max. (type2)	25300 A ² S
Thermal Specifications	
Power dissipation for continuous operation PD _{max}	1,2W/A
Power dissipation for intermittent operation PD	1,2W/A x duty cycle
Cooling method	Natural convection. Forced ventilation can be mounted
Mounting	Vertikal +/-30°C
Operating temperature EN 60947-4-3	-5°C til 40°C
Storage temperature EN 60947 – 1	-25°C til 80°C
Max. operating temperature with current derating	60°C
Thermal Overload Protection (thermostat bimetal	Type number UP 62
Tolerance Line voltage (%)	+10 % /-15%
Operation in ambient temperatures exceeding 40°C is possible if the power dissipation is limited either by reducing the steady-state current or by reducing the duty-cycle as shown in the table. Max. Cycle time 15 min.	100% load by 40°C, cycle time max. 1,00
	80% load by 50°C, cycle time max. 0,80
	65% load by 60°C, cycle time max. 0,65
Insulation	
Rated insulation Voltage	Ui 660 Volt
Installation Category	III
Rated impulse withstand Voltage	Uimp. 4 kV
Materials	
Housing	Self extinguishing PPO UL94V1, Halogen free
Heatsing	Aluminium
Base	Electroplated steel DIN skinne EN 50022
Dimensions	
Dimensions 80 A	H X D X B 140 X 182,5 X 93 mm
Vægt	1,320 kg



Mechanical Dimensions
H X D X B 140 X 182,5 X 93 mm

Mechanical Dimensions

Wiring specifications
RC 11 1-Phase 80A/125A