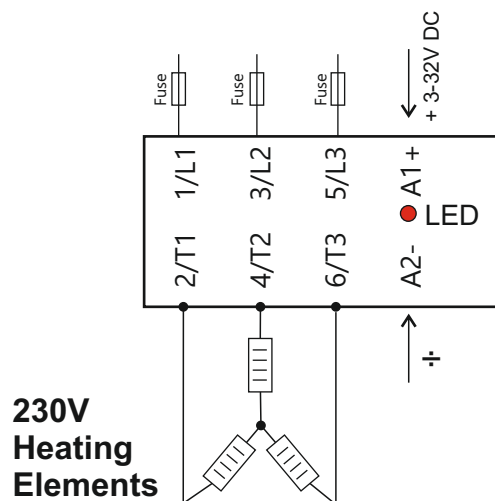
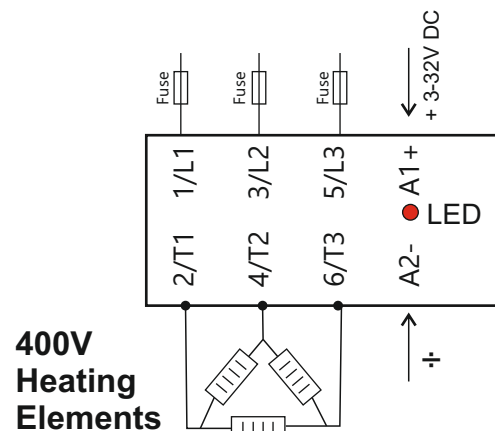
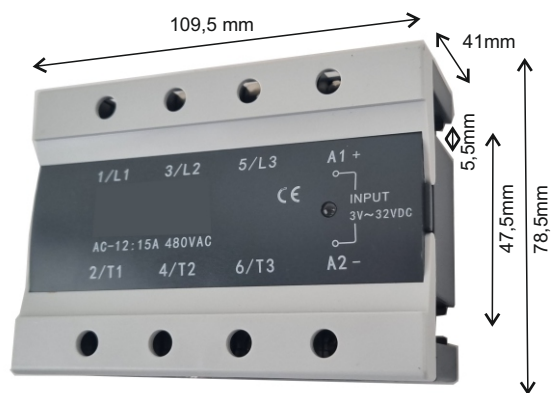


Solid state power module 3 phase 25A (40A)

Partnumber 44322

Parameter	Unit	
Control voltage range	VDC	3 - 32
Control current range	mA	15 - 20
Minimum turn-on voltage	VDC	3.0
Minimum turn-off voltage	VDC	1.0
Nominal Input Impedans	Current regulated	
Maximum Turn-On Time	msec	1/2 cycle
Maximum Turn-Off Time	msec	1/2 cycle
Transient Overvoltage	Vpk	880
Max. Off-State Leakage Current @ Rated Voltage	mA rms	5
Minimum Off-State dv/dt @ Maximum Rated Voltage	V/ μ sec	800
Maximum Load Current	A rms	25
Minimum Load Current	A rms	0.1
Maximum 1 Cycle Surge Current (50/60Hz)	Apk	250
Maximum On-State Voltage Drop @ Rated Current	Vms	1.5
Maximum 1/2 Cycle I^2t for Fusing (50/60Hz)	A ² sec	275
Minimum Power Factor (with Maximum Load)		0.8



Technical specifications:

Power supply: 24 - 480V AC, 50 - 60Hz.
Control signal: 3-32V DC
Load: 25A (40A)

Enclosure: IP00 with cover panel
Dimensions HxWxD: 79x110x41 mm
Weight: 350 g.

Ambient Operating Temperature: -30°C - +40°C
Installation Altitude: <2000m
Humidity: <90% non-condensing

Functional description:

Solid-state relay for panel mounting, designed for up to 25A or 40A depending on cooling.

Especially suitable for frequent operation, explosion-proof, moisture-proof, and corrosion-resistant conditions.

When using inductive loads, be aware that high transient voltages and surge currents may be applied to the product output, this may cause the solid-state relay to malfunction or be damaged. It is usually necessary to connect components with specific clamping voltages at the output to protect the product e.g. a varistor (MOV). It is recommended that the varistor voltage be 1.6-1.9 times the rated voltage.

Adjustment:

No adjustment option. A red LED light indicates that Solid-State Relay is on.

Mounting:

When using load currents higher than 10A, a heat sink for cooling must be used and additionally, thermal grease must be applied between the heat sink base plate of the relay and the installation surface of the heatsink.

To prevent the temperature rise of the solid-state relay from exceeding maximum temperature, the cooling effect and installation location must be considered. Also when installing Solid-State Relays side by side proper spacing must be maintained.

The output terminals of multiple solid-state relays are not to be used in parallel to attempt to increase the output current. However, the output terminals can be used in series to accommodate higher operating voltages.

Drawing: 950-209155 Solid State Relay 3-phase 25A
Rev.: 1.0
Date: 17/7-2024
Drawn by: DF/UP
Manufactured by: **LS CONTROL** A/S, Industrivej 12,
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