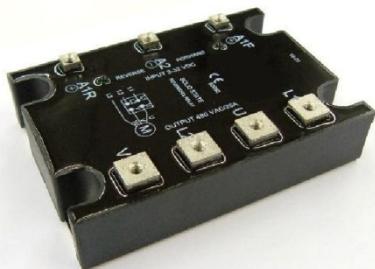


Solid State Relays

Datasheet 9225185

ENGLISH



Features

Switching	Random
Output	Back to back SCR with internal snubber
Input	DC

Applications

Motor reversing

Technical data

Input circuit

Control voltage range	3...32 VDC
Control current max	30 mA
Turn-off voltage min..	1 VDC
Input resistance	Constant current

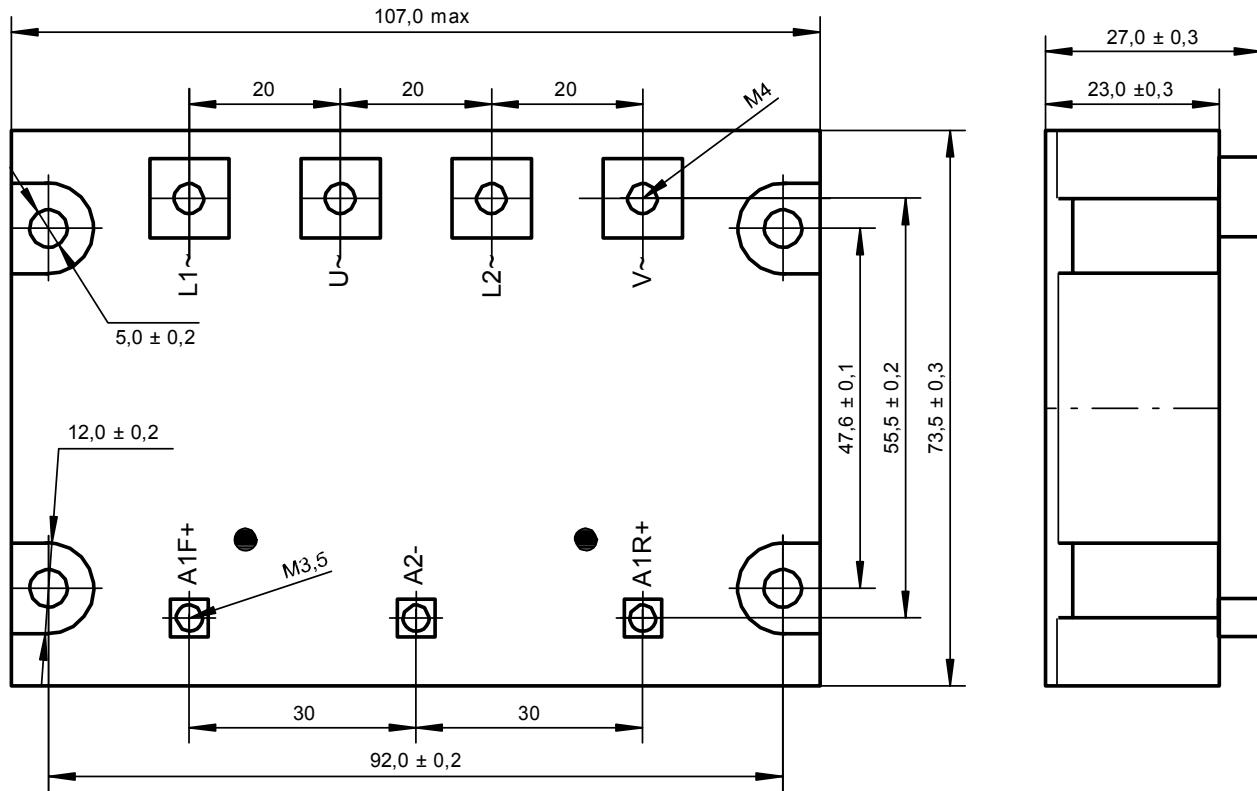
Output circuit

Load voltage range	48...660 VAC
Peak-off state voltage	1600 V _{drm}
Off-state leakage current	10 mA eff.
Load current range	0,2...25 A
Surge current 1 half wave	230 A _{peak}
I ² t for fusing	260 A ² s
On-state voltage	1,6 V _{peak}
Off-state (static) dv/dt	1000 V/μs
Snubber	47 Ω / 10 nF

General data

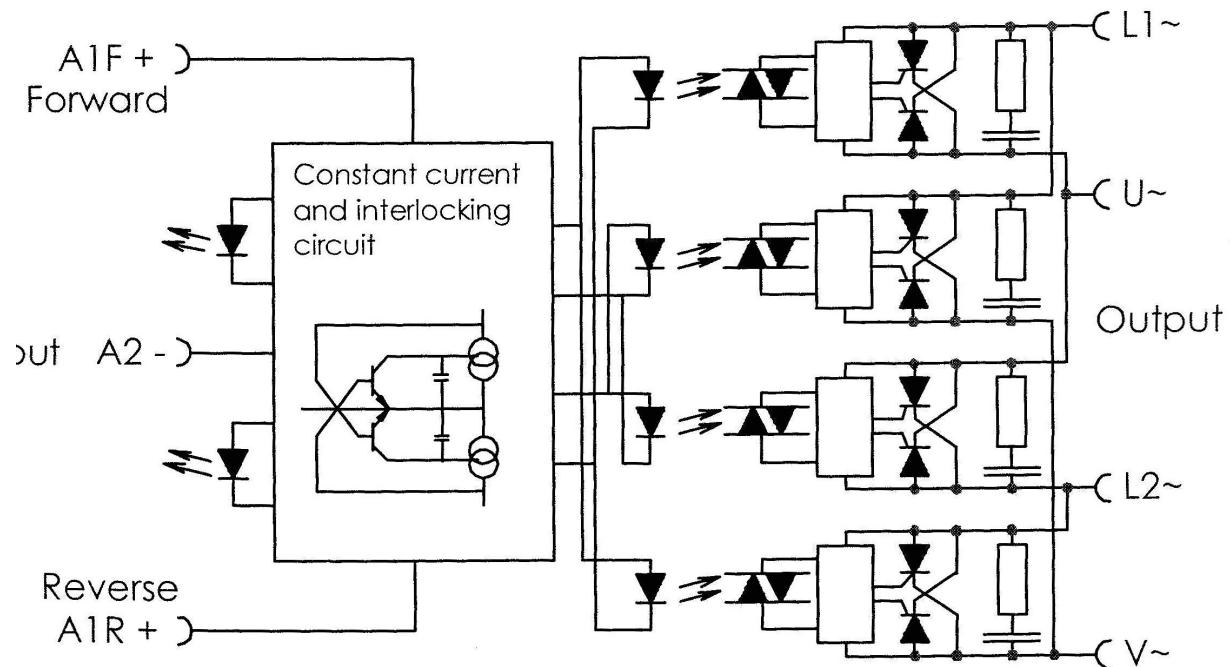
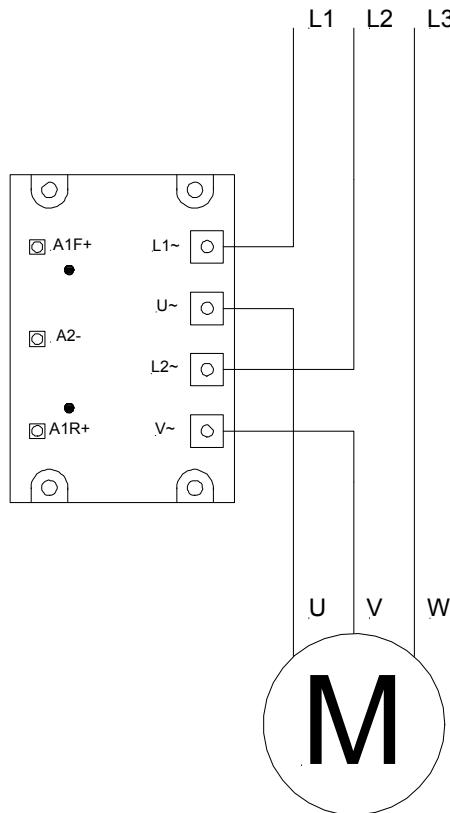
Turn-on time max.	6 ms (@ 24 VDC control voltage)
Turn-off time max.	11 ms
Interlocking time	40...80 ms ()
Line frequency range.	47...63 Hz
Isolation volt. between input/output	4.000 V
Isolation volt. between input-output/base	2.500 V
Isolation resistance	50 MΩ
Operating temperature	-20...+80 °C
Recommended varistor	COMUS WG MOV 20-400
Approvals	

Dimensions in mm

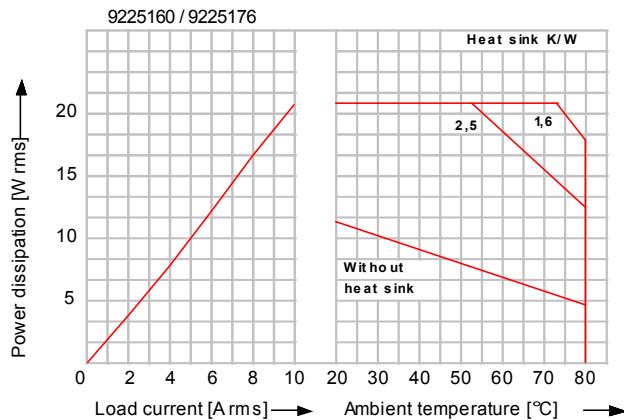


Housing specification

Weight	Approx. 430 g.
Housing material	Glass filled polyester
Potting compound	UL recognized Epoxy
Base plate	Aluminium , nickel plated
Terminals	Input : M3,5-screws Output : M4-screws

Circuit diagram

Connection diagram


Derating-diagrams

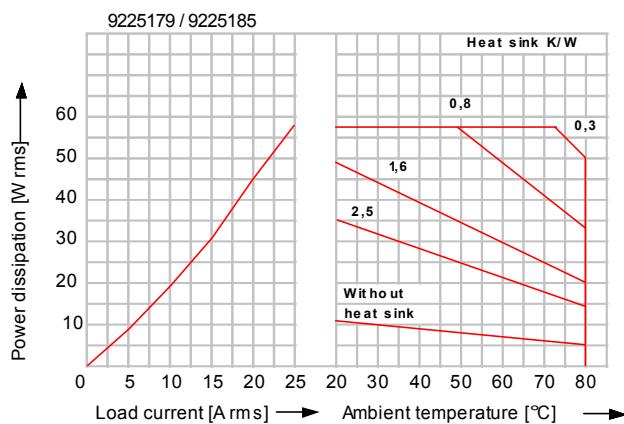


Load current per 1 SSR

Heat sink

9225236	8 A
9225239	10 A
9225233	10 A

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

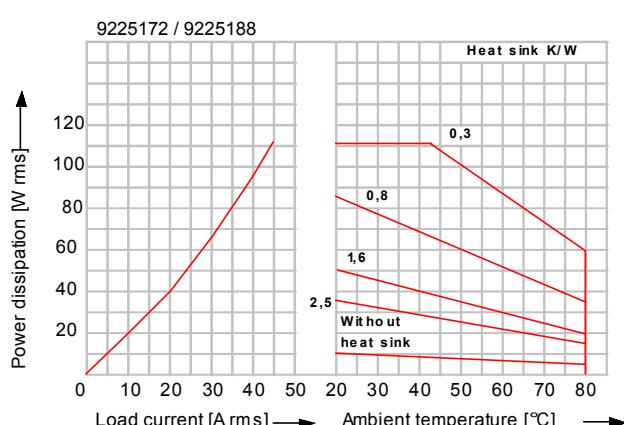


Load current per 1 SSR

Heat sink

9225236	8 A
9225239	22 A
9225233	25 A

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Load current per 1 SSR

9225236	8 A
9225239	24 A
9225233	45 A

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink