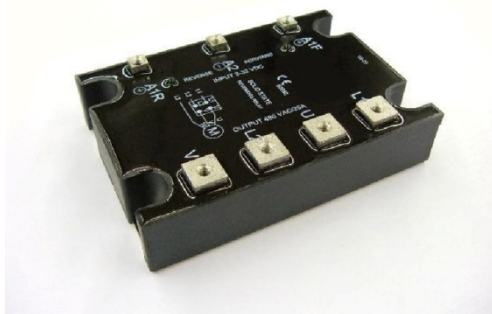


Solid State Relays

Datasheet 9225176

ENGLISH



Features

Switching Random

Output Back to back SCR with internal snubber

Input DC

Applications

Motor reversing

Technical data

Input circuit

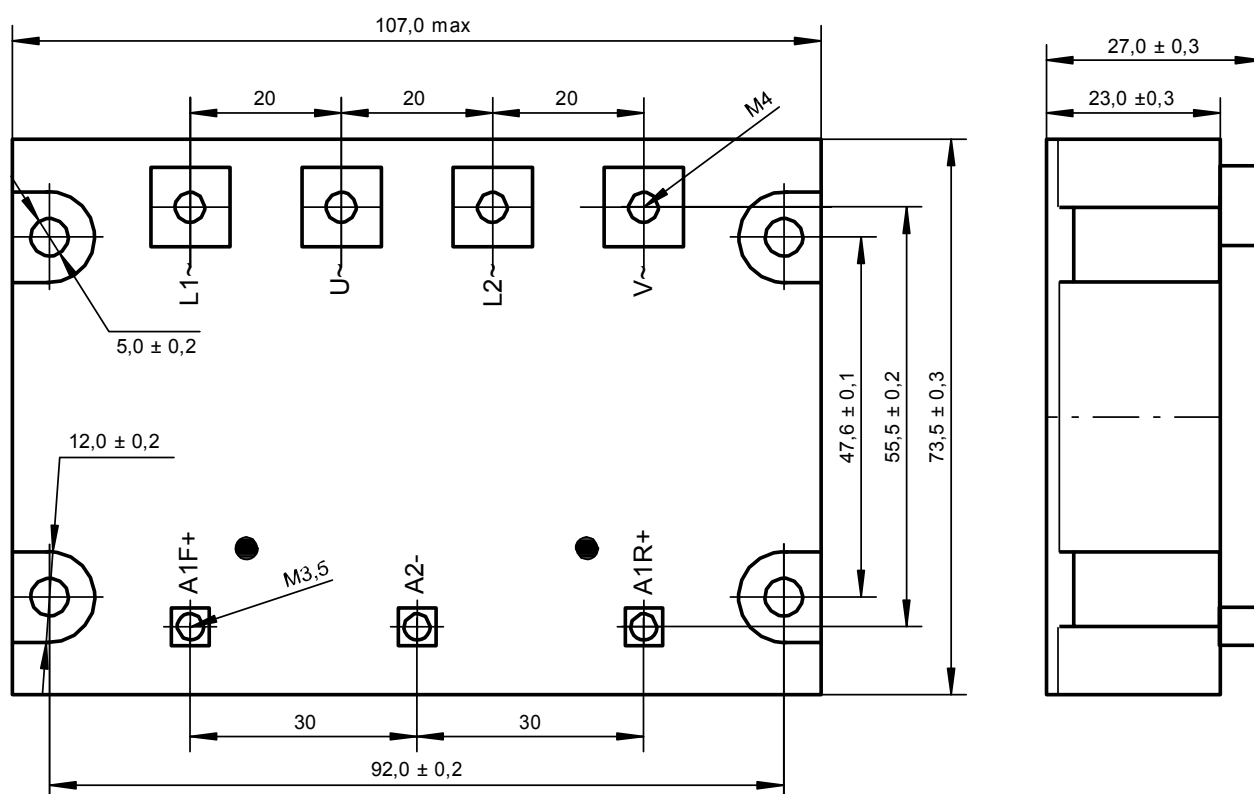
Control voltage range	3...32 VDC
Control current max	30 mA
Turn-off voltage min..	1 VDC
Input resistance	Constant current

Output circuit

Load voltage range	48...660 VAC
Peak-off state voltage	1600 V _{dm}
Off-state leakage current	10 mA eff.
Load current range	0,1...10 A
Surge current 1 half wave	110 A _{peak}
I ² t for fusing	60 A ² s
On-state voltage	1,6 V _{peak}
Off-state (static) dv/dt	1000 V/μs
Snubber	47 Ω / 10 nF

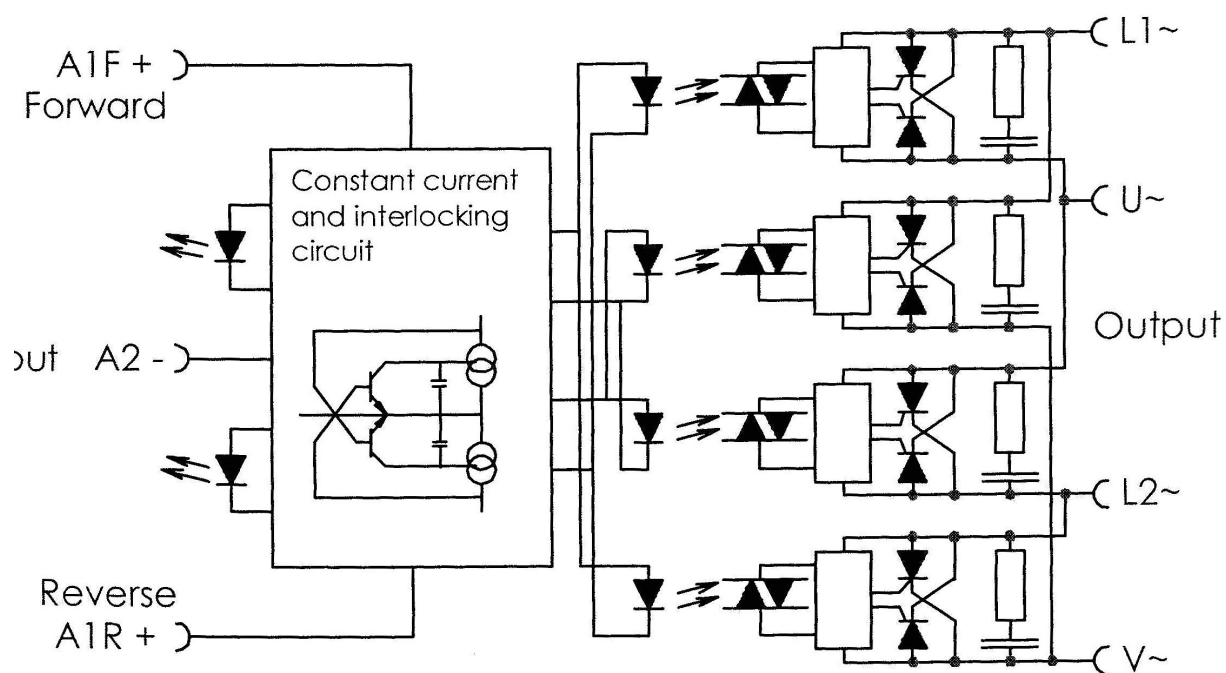
General data

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	

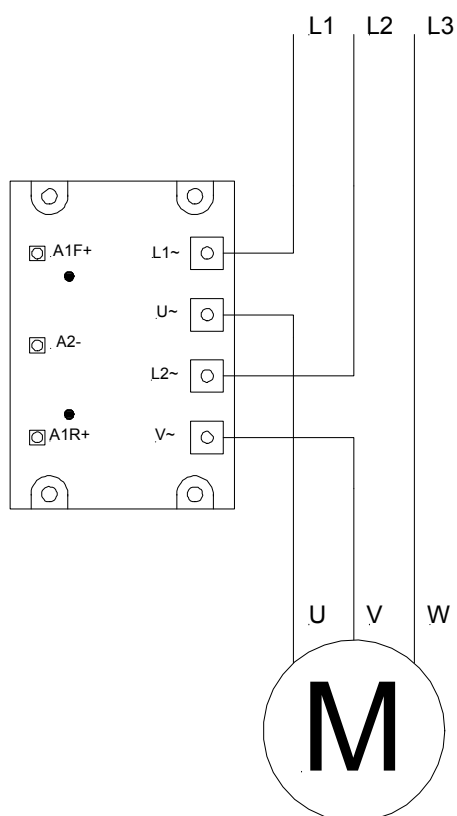
Dimensions in mm

Housing specification

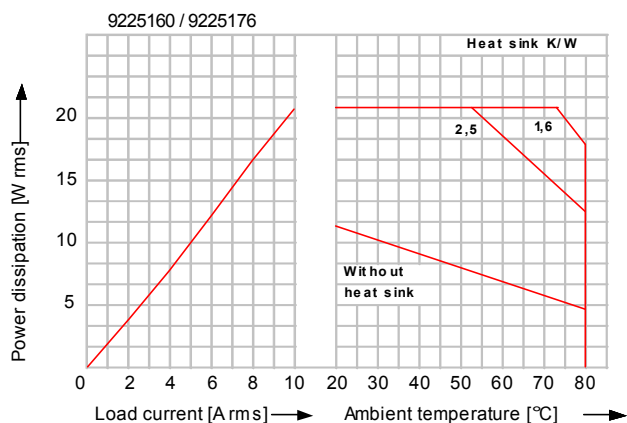
Weight	Approx. 430 g.
Housing material	Glass filled polyester
Potting compound	UL recognized Epoxy
Base plate	Aluminium , nickel plated
Terminals	Input : M3,5-screws Output : M4-screws

Circuit diagram



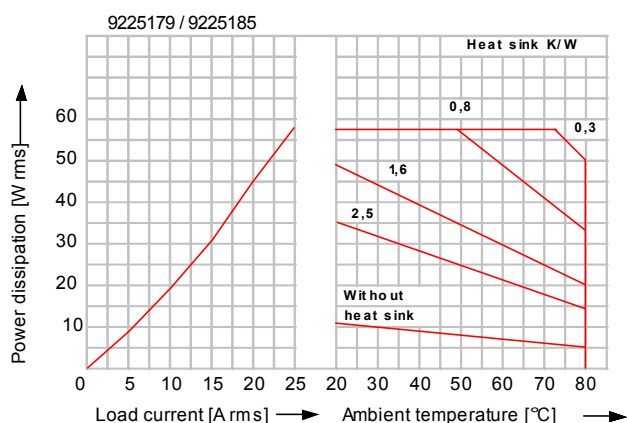
Connection diagram



Derating-diagrams


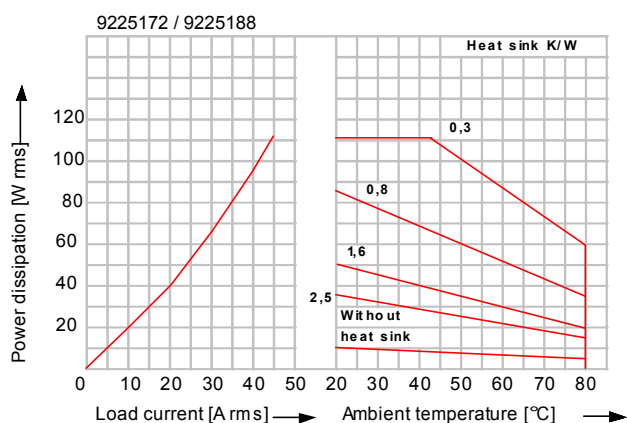
	Load current per 1 SSR
Heat sink	
9225236	8 A
9225239	10 A
9225233	10 A

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
Heat sink	
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