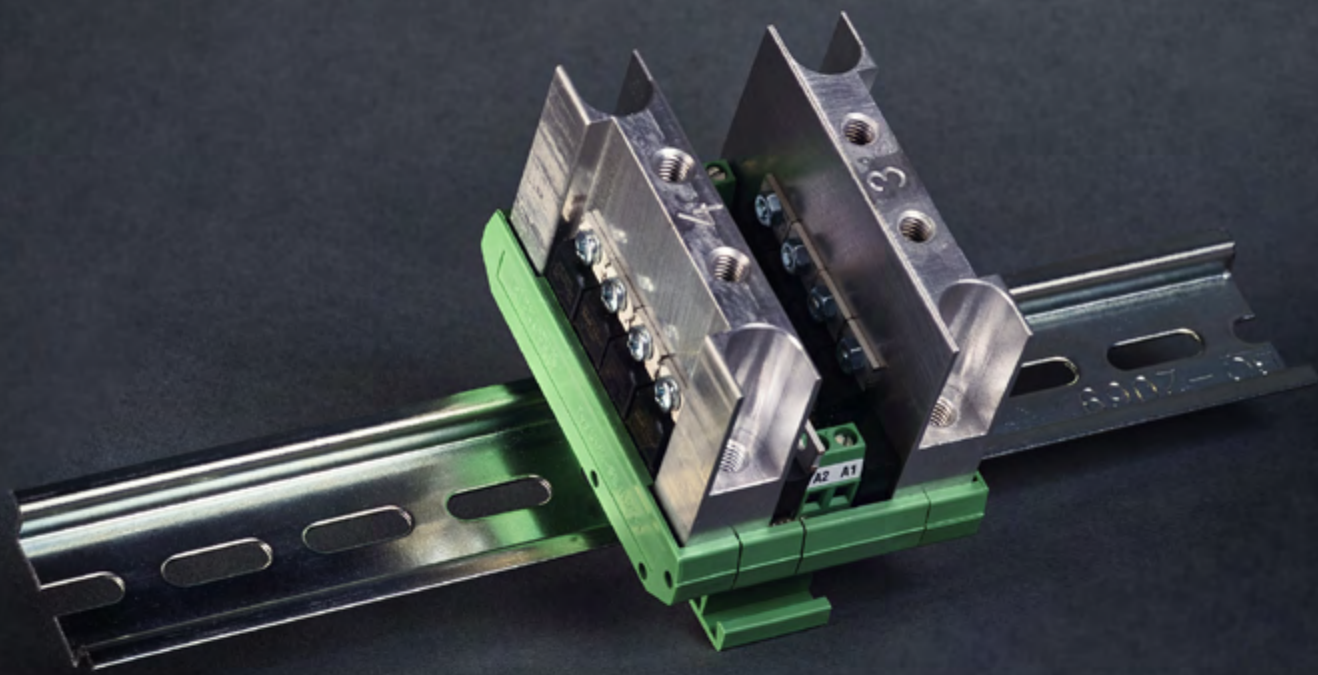


# SEMICONDUCTOR RELAY

MAINTENANCE-FREE, FOR ENDURANCE RUN AND FULL-PRODUCTION



G D G

testsystems

# MAINTENANCE-FREE SEMICONDUCTOR RELAY

FOR ENDURANCE RUN

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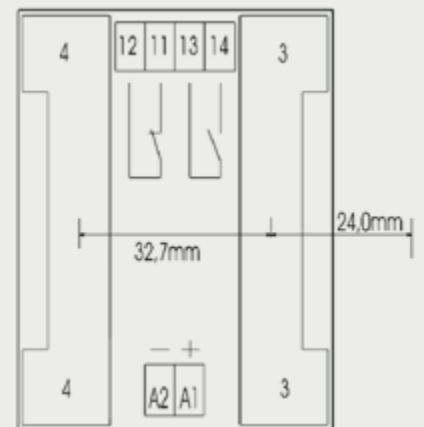
## SEMICONDUCTOR RELAY

The bipolar semiconductor relay was developed for use in endurance and series test systems for wear-free and fast switching of large direct currents.

An integrated overcurrent cut-off at 130 A ensures trouble-free operation even in the event of a fault.

### Technical data

control via screw terminal	(+) A1	(-) A2	8,5-28 V / 130 mA
main contact normally open	3	4	100 A / 60 V / 2 mΩ
switching times main contact			ON 0,5 ms / OFF 0,4 ms
auxiliary contact normally closed	11	12	max. 5 A / 60 V
auxiliary contact normally open	13	14	max. 5 A / 60 V
switching times auxiliary contacts			ca. 5 ms
dimensions (w x h x d)			57 x 65 x 77 mm
DIN rail mounting			DIN 46277-3



### Miscellaneous

The relay has a very fast (50  $\mu$ s) current limitation. When the switch-off threshold of approx. 130 A is exceeded, it is checked every 15 ms whether the overload is still present ( $\varnothing$  value of the current flow in case of a short circuit approx. 1 A). The auxiliary contacts are realised with an electromechanical relay.

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