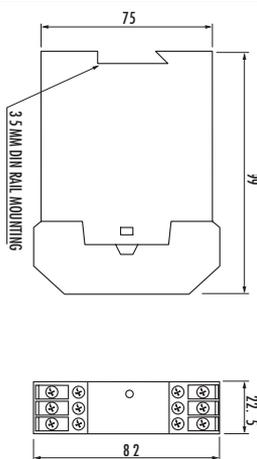


Single Channel Monitoring Safety Relay 'MSR5T'

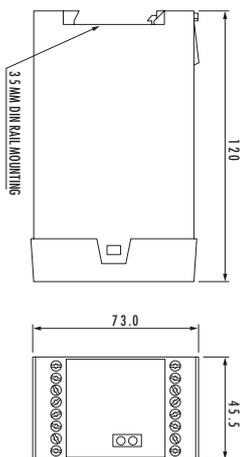


The MSR5T 'Minotaur' is a single channel input monitoring safety relay for use with interlock switches and emergency stop buttons. It has 3 uncommitted safety outputs and an auxiliary output for indication. It provides contactor monitoring, self monitoring of power failure and safety critical internal faults, which will result in lock-out to a safe state.

Power supply 24V AC/DC
 X1-X2 contactor Wired N/C from contactor auxiliaries
 Switching capacity 4A at 250VAC, 3A at 24VDC
 Relay outputs 3 N/O (safety), 1 N/C (auxiliary)
 Safety input None
 Temperature -10°C to +55°C
 LED indication Green (output)
 Fixings 35 mm din rail mounting
 Housing Red Polycarbonate
 Approvals UL

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106042	440R-B23020	24V AC/DC	84.00	81.90	79.80

Single Channel Monitoring Safety Relay 'MSR8T'

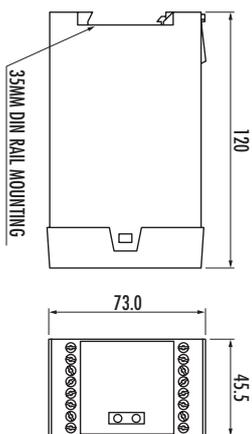


The MSR8T 'Minotaur' is a single channel input monitoring safety relay for use with interlock switches and emergency stop buttons. It has 3 uncommitted safety outputs and an auxiliary output for indication. It provides contactor monitoring, self monitoring of power failure and safety critical internal faults, which will result in lock-out to a safe state. The MSR8T can be used as an extension unit to other Minotaur's. Available in two voltage versions.

Power supply 24V AC/DC, 110/230V AC
 X1-X2 contactor Wired N/C from contactor auxiliaries
 Relay outputs 3 N/O (safety), 1 N/C (auxiliary)
 Safety input Accepts 1 N/C switch
 Switching capacity 4A at 250VAC, 3A at 24VDC
 Temperature -10°C to +55°C
 LED indication Red (power on), Green (output)
 Fixings 35 mm din rail mounting
 Approvals UL

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106072	440R-E23030	24V AC/DC	88.00	85.80	83.60
5106075	440R-E23031	110/230V AC	98.00	95.55	93.10

Dual Channel Monitoring Safety Relay 'MSR6R/T'

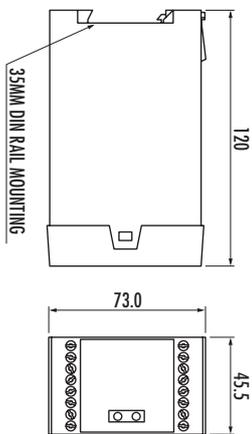


The MSR6R/T 'Minotaur' is a dual channel device which monitors for any single fault that may cause danger. It requires 2N/C inputs and provides 3 N/O (safety) + 1 N/C (auxiliary) outputs. It also provides contactor monitoring and self monitoring of internal faults. It has monitored manual or automatic test/reset (selectable).

Power supply 24V AC/DC, 110V AC, 230V AC
 X1-X2 contactor Monitored manual or auto reset/test
 Relay outputs 3 N/O (safety), 1 N/C (auxiliary)
 Safety input Accepts 2 N/C switches
 Switching capacity 4A at 250VAC, 3A at 24VDC
 Temperature -10°C to +55°C
 LED indication Red (power on), Green x 2 (outputs closed)
 Amber (single channel mode)
 Fixings 35 mm din rail mounting
 Approvals UL

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106033	440R-C23017	24V AC/DC	132.00	128.70	125.40
5106036	440R-C23018	110V AC	147.00	143.33	139.65
5106039	440R-C23019	230V AC	147.00	143.33	139.65

Dual Channel Monitoring Safety Relay 'MSR9R/T'



The MSR9T 'Minotaur' is a dual channel device requiring 1N/O + 1 N/C inputs for use with interlock switches and emergency stop buttons. It provides 2 channel redundancy with circuit fault detection with 2 N/O (safety) + 1 N/C (auxiliary) outputs plus contactor monitoring. It has automatic test/reset after each cycle. The MSR9T is available in two voltage versions.

Power supply 24V AC/DC, 110/230V AC (selectable)
 X1-X2 contactor Manual or auto reset
 Relay outputs 2 N/O (safety), 1 N/C (auxiliary)
 Safety input Accepts 1 N/C + 1 N/O switches
 Switching capacity 4A at 250VAC, 3A at 24VDC
 Temperature -10°C to +55°C
 LED indication Red (power on), Green x 2 (outputs closed)
 Fixings 35 mm din rail mounting
 Approvals UL, BG

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106063	440R-F23027	24V AC/DC	155.00	151.13	147.25
5106066	440R-F23028	110/230V AC	168.00	163.80	159.60

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