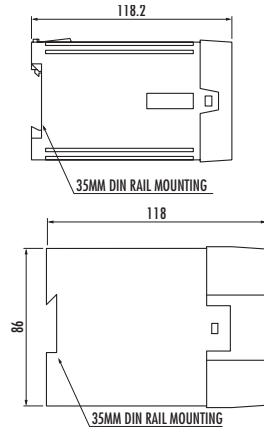


Dual Channel Monitoring Safety Relay 'MSR10RD'

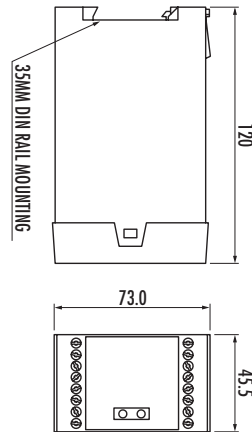


The MSR10RD 'Minotaur' is a dual channel input safety relay with multiple supply voltages and immediate and delayed outputs especially useful for use with PLC control machines. It monitors contactors, input devices and PLC safety functions. With fail-safe internal monitoring and monitored manual reset, any single detected fault will result in lock-out to a safe state. Featuring 8 N/O + 1N/C outputs and 1 N/O + 1 N/C time delay outputs, internally adjustable from 0.1-10 seconds.

- Power supply 24V AC/DC, 110/230V AC (selectable)
- X1-X2 contactor Monitored manual reset
- Relay safety outputs 8 N/O + 1 N/O (delay)
- Relay auxiliary outputs 1 N/C + 1 N/C (delay)
- 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 1&2 (outputs closed)
Green 3 (delay output on)
- Fixings 35 mm din rail mounting
- Approvals UL

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106069	440R-F23029	24/110/230V	360.00	351.00	342.00

Dual Channel Monitoring Safety Relay 'MSR11R'

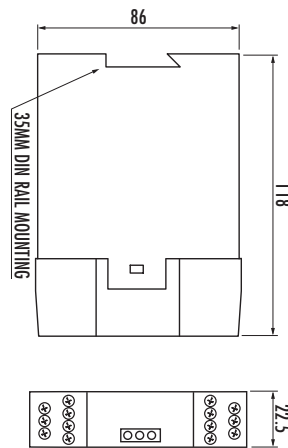


The MSR11R 'Minotaur' is a dual channel input safety relay featuring a monitored manual reset function which prevents loop-out defeating of the reset button. Any attempt at defeat will result in lock-out of relay. Available in three voltage versions.

- Power supply 24V AC/DC, 110V AC, 230V AC
- X1-X2 contactor Monitored manual reset
- Relay outputs 3 N/O + 1 N/C
- 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)
- Fixings 35 mm din rail mounting
- Approvals UL, BG

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106087	440R-J23044	24VAC/DC	155.00	151.13	147.25
5106090	440R-J23045	110VAC	168.00	163.80	159.60
5106093	440R-J23046	230VAC	168.00	163.80	159.60

Dual Channel Monitoring Safety Relay 'MSR14T'

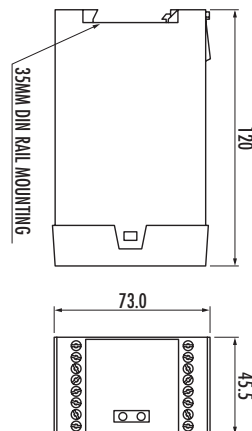
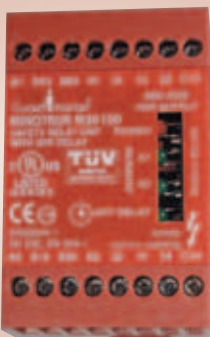


The MSR14T 'Minotaur' is a dual channel input safety relay featuring a monitored automatic reset function, a push button can also be added to the test/reset circuit to give a manual reset. Provides contactor monitoring with 2 N/O + 1 N/C outputs.

- Power supply 24V AC/DC
- X1-X2 contactor Monitored manual or auto reset
- Relay outputs 2 N/O + 1 N/C
- 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)
- Fixings 35 mm din rail mounting
- Approvals UL, TUV

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106096	440R-L23047	24VDC	127.00	123.83	120.65

Dual Channel Monitoring Safety Relay 'MSR15D'



The MSR15RD 'Minotaur' is a dual channel input safety relay with immediate and delayed outputs especially useful for use with PLC control where power must be partially maintained for an active braking sequence, after which all power must be removed. Features 2 N/O + 1N/C instantaneous outputs and 1 N/O off delay output, internally adjustable from 0.1-10 seconds.

- Power supply 24V AC/DC
- X1-X2 contactor Manual or auto reset
- Relay safety outputs 2 N/O + 1 N/C, 1 N/O (delay)
- Safety input Accepts 2 N/C switches
- Switching capacity 4A at 250VAC, 2A at 30VDC
- Temperature -10°C to +55°C
- LED indication Red (power on), Green 1&2 (outputs closed)
Green 3 (delay output on)
- Fixings 35 mm din rail mounting
- Approvals UL, TUV

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10-24
5106099	440R-M23048	24VAC/DC	200.00	195.00	190.00