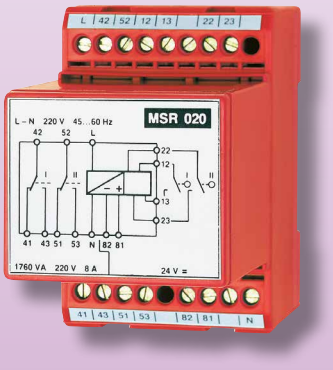
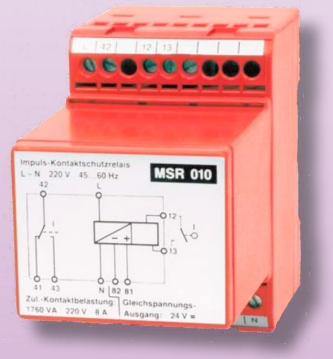
Contact Protection Relay

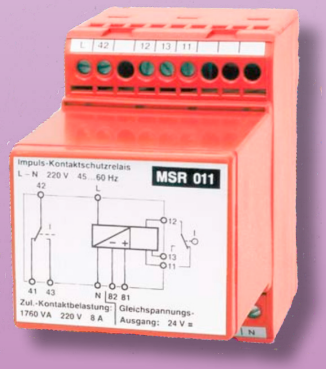
with Optional Latching Function

measuring • monitoring • analyzing

MSR







- For Protection of Reed Contacts
- 8A Max. Switching Capability
- 1 or 2 SPDT Contacts
- Precise Switching Behavior
- Latching Version Available

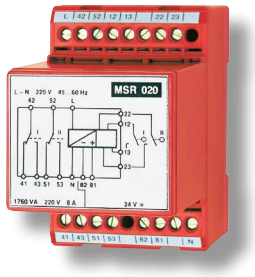
Order from: C A Briggs Company
622 Mary Street; Suite 101; Warminster, PA 18974
Phone: 267-673-8117 - Fax: 267-673-8118
Sales@cabriggs.com - www.cabriggs.com

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205

01/02-2014

Description

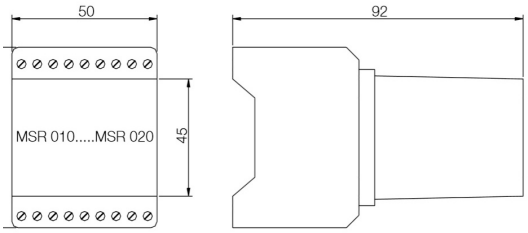
The KOBOLD MSR is comprised of a power supply unit, an isolation amplifier and a switching amplifier. The switch capacity of reed contacts is often exceeded when switching capacitive, inductive or high current loads, typically resulting in greatly decreased contact life. Using the MSR eliminates these problems and extends the service life of the reed switch. Models MSR-010 and MSR-020 have a timed response to help reduce chatter and clearly define the switching operation. The model MSR-011 is used as a latching relay and is well suited for easy high and low level control of a pump or fill/drain valve.



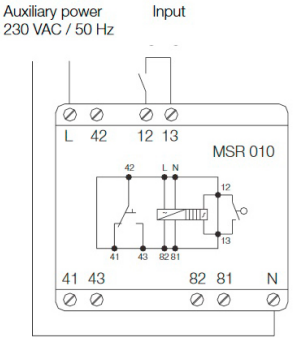
Specifications

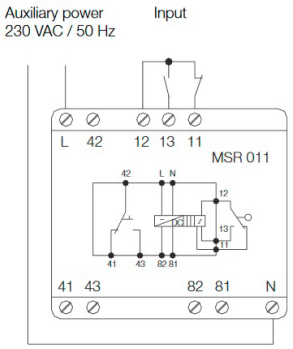
Input Power	
Standard:	230 VAC -10%, +6%, 50...60 Hz 6 VA Nominal
Optional:	24 VDC 24 VAC 110 VAC
Input Control Voltage:	35-40 VDC, Electrically Isolated
Input Pulse Width Ratio:	1:100 Nominal
Contact Resistance:	≤ 4.7 kOhm
Pulse Width:	500 µs Nominal
OFF Delay:	Approx. 0.5 seconds
Relay Output:	MSR-010 (1 SPDT Contact) MSR-020 (2 SPDT Contacts) MSR-011 (1 SPDT Latching Contact) Max. 250 VAC / 8 A Min. 24 VDC / 0.1 A
Aux. Control Voltage:	24 VDC @ 20 mA Max.
Ingress Protection:	Terminals IP 20
Case Material:	Red Polyamide, 6/6
Temperature Range:	32...158 °F
Mounting:	Standard DIN Rail 35 mm x 7.5 mm

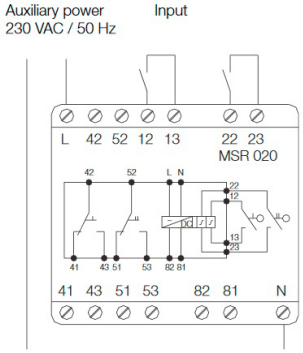
Dimensions (mm)



Wiring Diagrams







Order Details (Example: **MSR-011 P03**)

Model	Relay Output
MSR-010..	1 SPDT Contact
MSR-020..	2 SPDT Contacts
MSR-011..	1 SPDT Latching Contact
Supply Voltages (Add Suffix to Part Number Above)	
..P01 = 24 VDC **..P02** = 24 VAC **..P03** = 110 VAC	