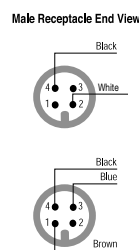
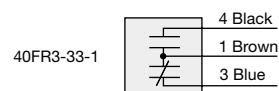
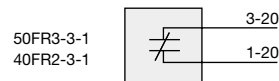
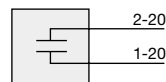


- **Magnetically actuated reed switch**
- **Matching permanent magnet**
- **Hermetically sealed contacts**
- **AC/DC compatibility**
- **High-impact thermoplastic housings**
- **Compact size**
- **Compatible with solid state logic requirements**
- **Can be used to directly trigger low-power circuits**

50FR2-3-1
40FRI-3
40FBI-3-AG1



40FR



50FR

Magnet Actuators
(Must be ordered separately)

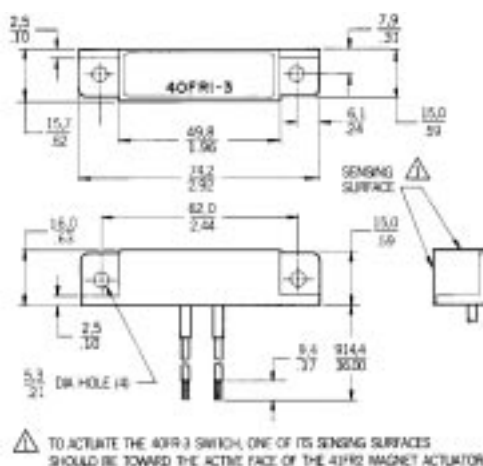
Model No.

41FR2 (for 40FR switches)

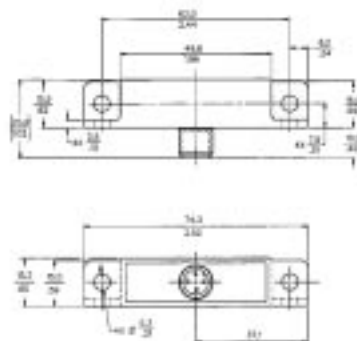
52FR1 (for 50FR switches)

Dimensions (mm)

40FR Series



40FR Series

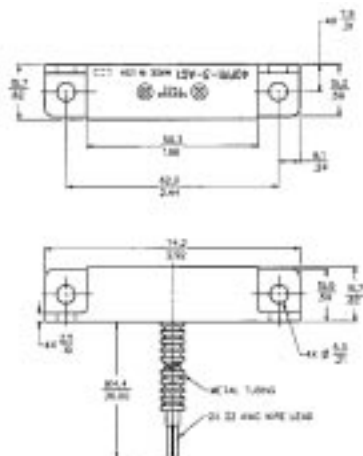


41FR2 Magnet Actuator is same dimensions except no leadwire or connector.

Specifications		2- and 3-wire Contact			
SENSING RANGE		11.4mm	19.8mm	19.8mm	19.8mm
SHIELDED		No	No	No	No
MODEL NUMBER(S)	SPST(N.O.)	50FR2-3-1	40FR1-3	40FR1-3-AG1	40FR1-33
	SPST(N.C.)	50FR3-3-1	40FR2-3-1	—	—
	SPDT	50FR4-3-1	40FR3-3-1	—	40FR3-33-1
ELECTRICAL RATING		AC: 10VA, 132VAC, 750mA DC: 10W, 100VDC, 300mA	10VA, 132VAC, 750mA 10W, 100VDC, 300mA	10VA, 132VAC, 750mA 10W, 100VDC, 300mA	10VA, 132VAC, 750mA 10W, 100VDC, 300mA
MECHANICAL LIFE		3x10 ⁷ operations	3x10 ⁷ operations	3x10 ⁷ operations	3x10 ⁷ operations
LED(s)		No	No	No	No
CONTACT RESISTANCE		≤ 2Ω	≤ 2Ω	≤ 2Ω	≤ 2Ω
INSULATION RESISTANCE		≥100MΩ at 200VDC	≥100MΩ at 200VDC	≥100MΩ at 200VDC	≥100MΩ at 200VDC
DIELECTRIC STRENGTH		200VAC, 60Hz	200VAC, 60Hz	200VAC, 60Hz	200VAC, 60Hz
RELEASE POINT		≤17.8mm	≤42.7mm	≤42.7mm	≤42.7mm
HYSTERESIS		≥2.54mm	≥2.54mm	≥2.54mm	≥2.54mm
ELECTROMAGNETIC COMPATIBILITY COMPLIANCE		NEMA ICS5-2000 See page 6	NEMA ICS5-2000 See page 6	NEMA ICS5-2000 See page 6	NEMA ICS5-2000 See page 6
PROTECTION IEC		IP68	IP68	IP68	IP68
AMBIENT TEMPERATURE		-40°F to +257°F	-40°F to +257°F	-40°F to +257°F	-40°F to +257°F
HOUSING MATERIAL		Glass-filled diallyl phthalate	Polycarbonate	Polycarbonate	Polycarbonate
SENSING FACE		Glass-filled diallyl phthalate	Polycarbonate	Polycarbonate	Polycarbonate
APPROVALS	UL LISTED	No	No	No	No
	CS US	No	No	No	No
	FM Nonincendive	No	No	No	No
ELECTRICAL CONNECTION		 914mm cable, PVC covered, 2/3-conductor, #20AWG	 914mm cable, PVC covered, 2/3-conductor, #20AWG	 914mm cable, metal tubing covered, 2-conductor, #22AWG	 Quick disconnect type V1

Dimensions (mm)

40FR Series



50FR Series

