

AS-I Bus System

Pneumatic

Specifications

Mounting: ISO/NAMUR
Connection: M12 SS
AS-I Current Draw: .16 AMP
Electrical Design: 2-input/2-output
Voltage Range: 26.5-31.6 VDC
Sensor/relay supply: AS-I
Air Connection: 1/4" FNPT
Solenoid coil: Epoxy encapsulated
Solenoid protection: NEMA 4x
Reverse polarity protected

All pneumatically actuated AS-Interface systems shall have a 2-input/2-output proximity sensors and a solenoid directly mounted to a Series 79 Actuator. The sensor shall be constructed of Pocan® thermoplastic polyester, NEMA 4X protection, operation and function LED's, voltage range of 20-30 VDC, and a stainless steel M12 socket connection to the network. The solenoid shall have an anodized aluminum body with a 1/4" NPT air inlet, manual over-ride, and NEMA 4X protection. Spool/piston shall be synthetic resin with NBR and FKM o-rings, and fitted with an epoxy-encapsulated coil directly coupled to the proximity sensor, as supplied by Asahi/America.

Electric

Specifications

Mounting: Inside actuator housing
Connection: M12 SS
AS-I Current Draw: .13 AMP
Electrical Design: 4-input/4-output
Operating Voltage: 26.5-31.6 VDC
Sensor/relay supply: AS-I
Relay outputs: 12VAC/VDC, 115 VAC,
or 220 VAC
Actuator protection: NEMA 4x, 7 & 9
Reverse polarity protected

All electrically actuated AS-Interface systems shall have a double proximity switch and a PCB card installed inside of the Series 92 Actuator without compromising the protection (NEMA 4X, 7 & 9). The proximity switch shall have 2 independent spst contacts triggered by the standard actuator cams and enclosed in a Pocan® thermoplastic polyester, housing NEMA 4X rated. The PCB card shall be short circuit protected, reverse polarity protected with 4 relay outputs. Relay outputs shall be rated 2.5Amps and accept 12VAC/VDC, 115 VAC, OR 220 VAC. The PCB card shall wire direct to an M12 connector for acceptance of AS-I power/signal, as supplied by ASAHI/America.