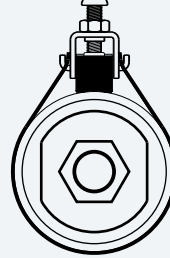


AL-03 Series can be replaced by DFSM, AL-13 Series

MOUNTING CLAMP & BRACKET
PBK CLAMP **PBO CLAMP**

See Page 65

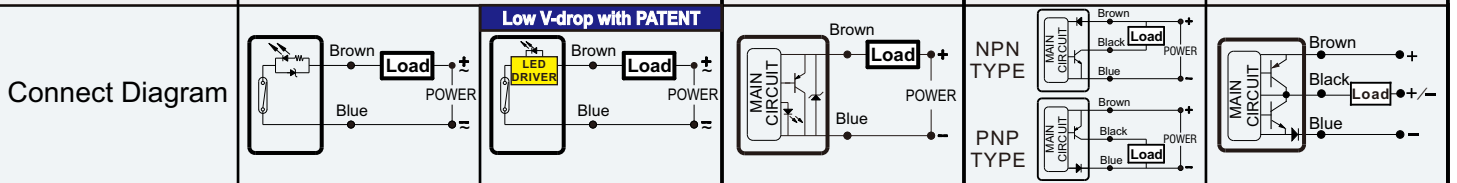
See Page 65



Apply to: 6 φ to 63 φ round cylinder

SPECIFICATION

TYPE	AL - 03R	AL - 03RV	AL - 03DF	AL - 03N(P)	AL - 03S
CHARACTERISTIC	SPST Normally Open		Normally Open	Solid State Output, Normally Open	
SWITCHING LOGIC	SPST Normally Open		Normally Open	Solid State Output, Normally Open	
SENSOR TYPE	Reed Switch		2 Wire Solid State	NPN Current Sinking/PNP Current Sourcing	NPN/PNP Automatic Detection
OPERATING VOLTAGE (NOTE 1)	5~240V DC/AC		10~28V DC	5~30V DC	
SWITCHING CURRENT	100 mA Max.	500 mA Max.	50 mA Max.	200 mA Max.	
SWITCHING RATING	10 W Max.		1.4 W Max.	6 W Max.	
CURRENT CONSUMPTION	—		40 μA Max. @ 24V	7.5 mA Max. @ 24V	
VOLTAGE DROP	2.5V Max. @ 100mA DC	0.9V Max. @ 500mA DC	2.65V Max. @ 50mA DC	0.5 V Max. @ 200 mA DC	1 V Max. @ 200 mA DC
LEAKAGE CURRENT	—		90 μA Max. @ 28V	0.01 mA Max.	
INDICATOR	Red LED	Yellow LED	Red LED	Red LED(Green LED)	Red LED
CABLE	2.9 φ, 2C, Grey Oil Resistat PVC		2.9 φ, 2C, Black Oil Resistat PVC	2.9 φ, 3C, Black Oil Resistat PVC	
SENSITIVITY (NOTE 2)	55 ~ 65 Gauss		40 ~ 800 Gauss	40 ~ 800 Gauss	
SWITCHING FREQUENCY	200 Hz		1000 Hz	5000 Hz	
TEMPERATURE RANGE	-10 ~ 70 °C		-10 ~ 70 °C	-10 ~ 70 °C	
SHOCK (NOTE 3)	30 G		50 G	50 G	
VIBRATION (NOTE 4)	9 G		9 G	9 G	
ENCLOSURE CLASSIFICATION	IP 67 (EN60529)		IP 67 (EN60529)	IP 67 (EN60529)	
PROTECTION CIRCUIT	—		Surge Suppression	Power Reverse Polarity; Surge Suppression	
CE Certificate NO.	No. E8N 1104 53334 005		No. E8N 1104 53334 004	No. E8N 1104 53334 006	—
3C Certificate NO.	No. : 2004010305127433		—	—	—
CNEx Certificate NO.	CNEx16.2333X(ExnCI1CT6GC)		CNEx16. 1850 (ExiallBT6Ga)	CNEx16. 1851 (ExiallBT6GC)	—



AL-03R(RV) AL-03R(RV)-QD8 AL-03R(RV)-QD12 AL-03R(RV)-EZ2M	AL-03DF AL-03DF-QD8 AL-03DF-QD12 AL-03DF-EZ2M	AL-03N(P) AL-03N(P)-QD8 AL-03N(P)-QD12 AL-03N(P)-EZ3M	AL-03RD AL-03RD-QD8 AL-03RD-QD12 AL-03RD-EZ2M	M8, M12, EZ QUICK CONNECTOR (IEC61076-2-101) 2 wire QD wiring M83M 4 (NC) Brown(+) 1 3 Blue(-) M124M 2 (NC) Blue(-) 3 1 Brown(+) 4 (NC) EZ2M Blue(-) 2 1 Brown(+) 	3 wire QD wiring M83M 4 Black(OUT) Brown(+) 1 3 Blue(-) M124M 2 (NC) Blue(-) 3 1 Brown(+) 4 Black(OUT) EZ3M Blue(-) 3 2 Black(OUT) 1 Brown(+)

NOTE: 1. The max. operating voltage of AL-03R-QD8 is 60V AC/DC (Based on IEC61076-2-101).

2. Measuring standard target: 15.5 * 8 * 5t (Anisotropic Plastic Magnet).

3. Sin Wave / X, Y, Z 3 Directions / 3 Times Each Direction / 11mS Each Time.

4. Double Amplitude 1.5mm / 10Hz~55Hz~10Hz (Sweep 1min) / X, Y, Z 3 Directions / 1Hour Each Time.

5. All trademarks used in this catalog are the property of their respective owners.

6. We reserve the right to make changes without notice.

