

Robust, heavy-duty case, 2-wire proximity switches in 2 sizes for AC operation

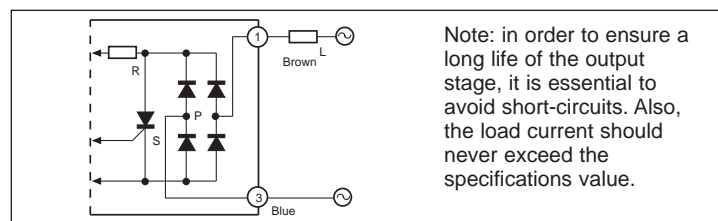
- Shielded and unshielded models
- IP67 nickel-plated brass housing
- Wide operating voltage 20-264V AC
- LED operation indicator
- Integral metal cable support on M30 model
- Nominal sensing range VK1 shielded 5mm
- Unshielded 8mm
- Nominal sensing range VT1 shielded 10mm
- Unshielded 15mm



Options and ordering codes

	VK1	/	AO	-	1A	
ø18mm	VK1				1	Shielded
ø30mm	VT1				2	Unshielded
NO output state	A				A	Standard cable exit – VK1 only
					B	Standard cable exit – VT1 only

Output circuit – wiring connections



Normally closed output types, plug-in types
Please contact IMO for price and availability

Specifications

Type	shielded	unshielded	shielded	unshielded
Models	VK1/**.1*	VK1/**.2*	VT1/**.1*	VT1/**.2*
Nominal sensing range Sn	5 mm ⁽¹⁾	8 mm ⁽¹⁾	10mm ⁽²⁾	15 mm ⁽²⁾
Hysteresis	10% max.		10% max.	
Repeatability	5%		5%	
Supply voltage	20-264VAC		20-264VAC	
Supply frequency	50-60Hz		50-60Hz	
Switching frequency	25 Hz		25 Hz	
Output type	TRIAC		TRIAC	
Output state	NO or NC		NO or NC	
Load current	5-300 mA RMS		5-300 mA RMS	
Non-repeating current peak	7A (T _{ON} =10ms)		7A (T _{ON} =10ms)	
Residual output voltage	check IMO		check IMO	
Residual current	0.7mA RMS		0.7mA RMS	
Time before switch operation	200 mS		200 mS	
LED status indicator	yes (at the rear)		yes (at the side)	
Insulation resistance	>2000M Ohm to 1000VDC		>2000M Ohm to 1000VDC	
Dielectric strength	1500VAC 50Hz for 1Min.		1500VAC 50Hz for 1 Min.	
Noise immunity	500V (IEC801-4)		500V (IEC801-4)	
Protection degree	IP67		IP67	
Temperature range	-25°+70° C		-25°+70° C	
Temperature drift	10% Sn		10% Sn	
Housing material	nickel-plated brass		nickel-plated brass	
Front material	POM		PBT to UL94VO	
Tightening torque	40 Nm max.		100 Nm max.	
Ambient humidity	35%-85% r.h.		35%-85% r.h.	
Weight (approx.)	120 gr.		300gr.	

⁽¹⁾ refers to Fe37 18x18mm standard target. 1mm thick. ⁽²⁾ refers to Fe37 30x30mm standard target. 1mm thick.

Please see – Mounting brackets page 330

Dimensions (mm)

