



FAR2/BP-0A



FAI6/BP-0A



FAI8/BP-0A



MV2/A0-0A



MVC/A0-0A



RL110

Photo switches transmit a beam which is reflected back from a detected object (*diffused*) or from a reflector (*retro-reflective*) or can be used with a separate transmitter and receiver (*through beam*) typically used for longer distance sensing.

- Ambient limits: -25 - +70°C
- Supply protection: Polarity reversal, transient, short circuit
- Housing material: PBT (plastic) *available in metal on request*

type	supply voltage	diffused	retro-reflective	polarised retro	through-beam	sensing distance (mm)	PNP	NPN	NO	NC	connector
------	----------------	----------	------------------	-----------------	--------------	-----------------------	-----	-----	----	----	-----------

FA series M18 axial beam (IP67) (EN60529) Ø 18mm x 68 mm

Diffuse reflection		proximity type detection (<i>no transmitter or reflector required</i>)										
FAR2/BN-0A	10 - 30 VDC	•				100		•	•	•		cable
FAR2/BP-0A	10 - 30 VDC	•				100	•		•	•		cable
FAI6/BN-0A	10 - 30 VDC	•				400		•	•	•		cable
FAI6/BP-0A	10 - 30 VDC	•				400	•		•	•		cable
FAI8/BN-0A*	10 - 30 VDC	•				1000		•	•	•		cable
FAI8/BP-0A*	10 - 30 VDC	•				1000	•		•	•		cable
Retro-reflective		used together with a reflector										
FAIC/BN-0A	10 - 30 VDC		•			4000		•	•	•		cable
FAIC/BP-0A	10 - 30 VDC		•			4000	•		•	•		cable
Retro-reflective (polarised)		used together with a reflector										
FARP/BN-0A	10 - 30 VDC			•		3000		•	•	•		cable
FARP/BP-0A	10 - 30 VDC			•		3000	•		•	•		cable
Through beam (receiver)		requires a transmitter and receiver										
FAIZ/BN-0A	10 - 30 VDC				•	20 met		•	•	•		cable
FAIZ/BP-0A	10 - 30 VDC				•	20 met	•		•	•		cable
FAIH/00-0A	10 - 30 VDC				•	20 met					(transmitter)	cable

* With sensitivity adjustment

MV series M18 axial beam (IP67) (EN60529) Ø 18 mm x 68 mm

Diffuse reflection		proximity type detection (<i>no transmitter or reflector required</i>)										
MV2/A0-0A	20 - 253 VAC	•				100		•				cable
MV2/C0-0A	20 - 253 VAC	•				100				•		cable
MV4/A0-0A	20 - 253 VAC	•				200		•				cable
MV4/C0-0A	20 - 253 VAC	•				200				•		cable
MV6/A0-0A	20 - 253 VAC	•				400		•				cable
MV6/C0-0A	20 - 253 VAC	•				400				•		cable
Retro-reflective		used together with a reflector										
MVC/A0-0A	20 - 253 VAC		•			4 met		•				cable
MVC/C0-0A	20 - 253 VAC		•			4 met				•		cable
Through beam (receiver)		requires a transmitter and receiver										
MVR/A0-0A	20 - 253 VAC				•	16 met		•				cable
MVR/C0-0A	20 - 253 VAC				•	16 met				•		cable
MVE/00-0A	20 - 253 VAC				•	20 met					(transmitter)	cable

Accessories for M18 devices

ST 02	plastic adjustable swivel bracket for	M18 photo switches
ST 18-A	metal axial mounting bracket for	M18 photo switches
ST 18-C	metal right angled mounting bracket for	M18 photo switches
ST 03	right angled beam adaptor for	M18 photo switches

Reflectors for photo switches		Ø	(H)	(W)	(D)
RL 103	02232510	round reflector without mounting hole	34.5	-	7.4
RL 104	02292510	round reflector without mounting hole	46	-	6.5
RL 110	80392510	round reflector with centre mounting hole	84	-	7.3
RL 113G	00042510	square 2 x bottom mounting holes	-	61	8
RL 107	03132510	square mounting holes on adjacent corners	-	100	9
RL 112G	03312510	rectangular top and bottom centre mnt. holes	-	73	8.2
RL 116	00082510	rectangular mnt. holes on adjacent corners	-	60	8