

TECHNICAL DATA						
COMMON DATA	S300-A	S300-B	S300-C	S300-M	S300-F	S300-G
Emission type	IR LED (880nm)	Red LED (660nm)	IR LED (940nm)	IR LED (880nm)		IR LED (880nm)
Operating distances (typical values)	0.115m	0.110m	5200cm	20200cm	0	50m
Setting	Mono-turn sensitivity trimmer 7-turns adjustment screw Mono-turn sen					nsitivity trimmer
	Dip-switch mode					
Time Delay Range (timing vers.)	0.616 s (adjustment by Trimmer)					
White/Black difference (90% / 4%)	< 25%					
Indicators	OUTPUT LED (yellow) STABILITY LED (green)					POWER ON LED (green)
Operating temperature	-2555°C					
Storage temperature	-2570°C					
Dielectric strength	1500Vac 1 min between electronics and housing					
Insulating resistance	>20MΩ 500Vdc between electronics and housing					
Ambient light rejection	according to EN 60947-5-2					
Vibrations	0.5mm width, 10 55Hz, for each axis (EN60068-2-6)					
Shock resistance	11ms (30G) 6 shocks for each axis (EN60068-2-27)					
Housing material	PBT (30% fibre-reinforced glass)					
Lens material	PC					
Mechanical protection	IP67 (IEC / EN60529) / NEMA TYPE 1 (For UL / c-UL)					
Connections	Terminal block (recommended cable diameter between 8 and 10mm)					

AC VOLTAGE MODELS	S300-A	S300-B	S300-C	S300-M	S300-F/G		
Power supply	24240Vac / 2460Vdc						
Ripple	10% max						
Consumption (output current excluded)	< 3VA						
Outputs	SPDT electromagnetic relay 250Vac, 30Vdc						
Output current	3A (resistive load)						
Response time	25ms max						
Switching frequency	20Hz						
Weight	130g						

DC VOLTAGE MODELS	S300-A	S300-B	S300-C	S300-M	S300-F/G		
Power supply	1230Vdc						
Ripple	10% max						
Consumption (output current excluded)	< 35mA						
Outputs	PNP and NPN open collector						
Output current	100mA (resistive load)						
Output saturation voltage	< 2.4V max						
Response time	1ms max				2ms max		
Switching frequency	500Hz				250Hz		
Weight	120gr						



DETECTION DIAGRAMS













