

Photoswitches suitable for most direct sensing requirements in an industry standard M18 housing.

Sensing distance Diffuse = 80, Diffuse adjustable = 0-300, Polarised reflex = 1500
 Operating temperature -15°C to +55°C

	DC versions	AC version
Power supply	10 to 30V dc	15 to 264V ac, 48 to 62Hz
Output	NPN/PNP selectable	SCR + bridge rectifier
Output current	150mA	100mA
Response time	1ms max.	20ms max.

Mfrs. List No.	S5-5-C8-30 = 731-470, S5-5B1.5-30 = 721-2586, S5-5B1.5-32 = 721-2616	S5-1C8-20 = 731-481, S5-5C10-32 = 721-2598, S5-5C35-32 = 721-2604,	S5-5C30-30 = 731-493, S5-5C35-32 = 721-2604,
----------------	--	--	---

SEN198X

Prewired Type	Output	Order Code	Price Each			
			1+	5+	10+	25+
Diffuse	NPN/PNP	731-470				
Diffuse	SCR	731-481				
Diffuse, adjustable	NPN/PNP	731-493				
Polarised reflex	NPN/PNP	721-2586				
Plug-in Type						
Diffuse	NPN/PNP	721-2598				
Diffuse, adjustable	NPN/PNP	721-2604				
Polarised reflex	NPN/PNP	721-2616				

M18 Diffuse and Polarised Reflex – 90° Viewing S5 Series



Thread = M18 80
 Cable L = 2m
 Reflector supplied with reflex type

- Available AC or DC versions
- Plastic housing giving **IP67** protection
- DC versions have wire selectable NPN/PNP, light-on/dark-on output
- AC version is multi-voltage 15-264V ac with light-on output
- Long range DC version has sensitivity trimmer and green stability LED
- Red LED output indication
- Viewing optics turned through 90°

Sensing distance Diffuse = 80, Diffuse adjustable = 0-300, Polarised reflex = 1500
 Operating temperature -15°C to +55°C

	DC versions	AC version
Power supply	10 to 30V dc	15 to 264V ac, 48 to 62Hz
Output	NPN/PNP selectable	SCR + bridge rectifier
Output current	150mA max.	100mA max.
Response time	1ms max.	20ms max.

Mfrs. List No.	S5-5-C8-35 = 179-356, S5-5-B1.5-35 = 731-500	S5-1-C8-25 = 179-357,	S5-5-C30-35 = 179-358,
----------------	---	-----------------------	------------------------

SEN74X

Type	Output	Order Code	Price Each			
			1+	5+	10+	25+
Diffuse	NPN/PNP	179-356				
Diffuse	SCR	179-357				
Diffuse, adjustable	NPN/PNP	179-358				
Polarised reflex	NPN/PNP	731-500				

M18 Fixed Focus – S5 Series



Fixed focussed diffused

Thread = M18 70, Cable L = 2m

- Available AC and DC versions
- DC version has wire selectable NPN/PNP, light-on/dark-on output.
- AC version is multi-voltage 15-264V ac with light-on output
- Red output LED indication
- Plastic housing giving **IP67** protection

Modulated infra-red diffuse fixed focus sensors will detect objects up to the cut-off point 15mm from the sensor head, and will ignore objects in the background.

Sensing distance 15mm Operating temperature -15°C to +55°C

	DC Version	AC Version
Power supply	10 to 30V dc	15 to 264V ac, 48 to 62Hz
Current consumption	30mA max.	10mA max.
Output	NPN/PNP selectable	SCR + bridge rectifier
Output current	150mA max.	100mA max.
Response time	1ms	20ms max.

Mfrs. List No.	S5-5-D15-30 = 179-259, S5-1-D15-20 = 731-511
----------------	---

SEN76X

Voltage	Output	Order Code	Price Each		
			1+	5+	10+
10 to 30V dc	NPN	179-359			
15 to 264V ac	SCR	731-511			

M18 Diffuse and Polarised Reflex – S18M Series

Metal Housing, Prewired and M12 Plug-In



L (body + LEDs) = 67 (diffuse), 77 (diff. adj.), 80 (reflex), 74 (diff. plug-in),
 Thread = M18 1, Cable L = 2m, Reflector dia. = 75

- Wire selectable NPN/PNP, light-on/dark-on output
- Metal housing protected to **IP67**
- 100mm diffuse type available prewired or with 4-way M12 connector
- Sensitivity adjustment trimmer on 300mm diffuse and reflex types
- Polarised reflex type suitable for detection of shiny objects
- Output indication by yellow LED

Sensing distance Diffuse = 100, Diffuse, adjustable = 300,
 Polarised reflex = 2m (using R5 reflector)

Power supply 10 – 30V dc
 Output current 200mA (with short-circuit protection)
 Response time Diffuse types = 1ms, Reflex type = 2ms
 Light source Diffuse = infra-red, Reflex = red

Mfrs. List No.	S18M-5-K-30 = 724-8490, S18M-5-K-32 = 724-8520,	S18M-5-C-30 = 724-8507, R5 = 724-8532.	S18M-5-B-30 = 724-8519,
----------------	--	---	-------------------------

SEN363

Prewired	Order Code	Price Each			
		1+	5+	10+	25+
Diffuse	724-8490				
Diffuse, adjustable	724-8507				
Polarised reflex, adjustable	724-8519				
Plug-In					
Diffuse	724-8520				
Reflector	724-8532				

M18 Diffused with Background Suppression – SDS10

Metal Housing, Prewired and M12 Plug-In



- Adjustable background suppression from 40mm to 120mm
- Metal housing protection to IP67
- Wire selectable dark or light switching
- LED status indicator
- Choice of prewired or M12 plug-in connection

Thread = M18, L = 69

M18 barrel type background suppression photo-electric sensor, ideal for applications where the target needs to be identified independently of the background.

Sensing distance 40–120mm Output current 200mA
 Supply voltage 10–30V dc Response time 1ms
 Output PNP light/dark switching (wire selectable)

SEN259

Type	Mfrs. List No.	Order Code	Price Each			
			1+	5+	10+	25+
Prewired	SDS10-5M12-30	721-5964				
Plug-in	SDS10-5M12-32	721-2562				

Diffuse, Reflex and Polarised Reflex S6 Series



- Adjustable sensitivity
- Selectable light-on/dark-on operation
- LED indication of output status
- ABS plastic housing, protected to IP65
- Polarised reflex type gives reliable detection of shiny objects
- Reflector supplied with reflex types

Compact photoelectric sensors suitable for most conveyor systems and automation machinery, available as reflex or diffused types using infra red light or as polarised reflex type using red light.

H = 50, W = 18, D = 50
 (Reflector supplied with both reflex types), Cable L = 2m

Sensing range Diffused 900mm
 Reflex 0.1 to 6m
 Polarised reflex 0.1 to 5m
 Supply voltage 15 to 264V ac/dc
 Current consumption 35mA max.
 Output SPCO relay 3A @ 275V ac/30V dc resistive
 Response time 30ms max.
 Temperature range -15°C to +55°C

Mfrs. List No.	S6-1A6 = 213-240, S6-1B5 = 213-251, S6-1C90 = 213-263
----------------	---

SEN87X

Type	Order Code	Price Each		
		1+	5+	10+
Diffuse	213-263			
Reflex	213-240			
Polarised reflex	213-251			

Continued