

Fork Sensor



- Sensitivity adjustment
- 3mm self teach
- 25 turn potentiometer giving extreme accuracy
- NPN-PNP -N/O-N/C selectable
- 30µs switching frequency (2mm)
- Strong aluminium housing

IMO

Recent Addition

3 YEAR GUARANTEE

FS/003-C: Slot = 3, D = 60 Body H = 39, W = 12, D = 80
 FS/002-C: Slot = 2, D = 40 Body H = 39, W = 12, D = 60
 FS/015-C: Slot = 15, D = 40 Body H = 50, W = 12, D = 60
 FS/030-C: Slot = 30, D = 40 Body H = 64, W = 12, D = 60

Supply voltage 10-30Vdc Switching frequency -30µs (2/3mm)
 -1ms (15/30mm)
 Protection **IP65** Output NPN, PNP, N/O, NC selectable
 Connector M8 4 pin

SAT425

Frame Size	Mftrs. List No.	Order Code	1+	5+	10+
3mm self teach	FS/003-C	335-2717			
2mm	FS/002-C	335-2729			
15mm	FS/015-C	335-2730			
30mm	FS/030-C	335-2742			

Flat Pack, Diffused – ED55



- Adjustable sensitivity
- Sensor uses modulated infrared light giving high immunity to ambient light
- Units have both make and break switching with LED indication
- Choice of NPN or PNP outputs
- Bodies are sealed to **IP67**
- Available prewired or with M12 standard plug

Operating voltage 10 to 30 V dc
 Switching current <200 mA
 Frequency of operation ED 5502 500 Hz, light/dark ratio 1:2
 ED 5506 100 Hz, light/dark ratio 1:2
 Operating temperature -20°C to +60°C
 Housing material Black polycarbonate

Housing: H = 55, W = 35, D = 15, Cable L = 2m

Connection Method	Sensing Range (mm)	Output Type	Mftrs. List No.	Order Code
Prewired PVC cable	50 to 200	NPN	ED 5502 NPAP	711-5283
Prewired PVC cable	50 to 200	PNP	ED 5502 PPAP	711-5295
Prewired PVC cable	150 to 600	NPN	ED 5506 NPAP	711-5301
Prewired PVC cable	150 to 600	PNP	ED 5506 PPAP	711-5313
M12 Connector	50 to 200	NPN	ED 5502 NPAP-1	711-5325
M12 Connector	50 to 200	PNP	ED 5502 PPAP-1	711-5337
M12 Connector	150 to 600	NPN	ED 5506 NPAP-1	711-5349
M12 Connector	150 to 600	PNP	ED 5506 PPAP-1	711-5350

SAT112

Sensing Distance	Output	Order Code	1+	5+	10+	25+
Prewired						
50 to 200mm	NPN	711-5283				
50 to 200mm	PNP	711-5295				
150 to 600mm	NPN	711-5301				
150 to 600mm	PNP	711-5313				
Plug-In						
50 to 200mm	NPN	711-5325				
50 to 200mm	PNP	711-5337				
150 to 600mm	NPN	711-5349				
150 to 600mm	PNP	711-5350				

Label Sensor – SR21

DATA LOGIC DL



- Ideal for label detection and registration mark detection on clear backgrounds
- Fully automatic set-up
- Microprocessor control of all functions enables high speed precision detection
- Metal body enables use in harsh environments
- 90° rotating M8 4-wire connection
- Choice of infra-red or red/green emission

Slot sensing gap 2mm
 Supply voltage 10-30Vdc
 Output NPN/PNP dark/light selectable
 Output current 100mA
 Protection IP65
 Response time 80µs
 Emission **721-2537:** Red/green (colour mark detection)
721-2549: Infra-red (label detection)

H = 90 (excl. connector),
 W = 20, D = 26 (overall),
 Slot W = 2, D = 50

SEN258

Emission	Mftrs. List No.	Order Code	1+	5+	10+
Red/Green	SR21-AH	721-2537			
Infra-red	SR21-AR	721-2549			

M18 Diffuse – Prewired and M12 Plug-in Metal housing



- Extended 400mm sensing range with adjustable sensitivity
- M18 metal housings sealed to IP67
- Prewired or M12 connector options
- High immunity to ambient light through use of modulated infrared light
- Transistor outputs (DC types) protected against reverse polarity, short circuits and transients
- AC type has transient protection
- Wire selectable light or dark switching (DC types)

dc types: Thread = M18, L = 71 (incl. cable sleeve)

ac type: Thread = M18, L = 87 (incl. cable sleeve)

Cable: L = 2m

Sensing distance 400mm (all types)
 Supply Voltage dc types 10 to 40Vdc (ripple included)
 ac type 20 to 250Vac, 45 to 65Hz

Output dc types = N.O.+N.C., ac type = N.O.
 Output current (max.) dc types 200mA, ac type 500mA
 Operating frequency (max.) dc types 100Hz, ac type 25Hz
 Operating temperature -20°C to +60°C

Mftrs. List No. E01804NPAS = 254-472, E01804PPAS = 254-484, E01804TBOS = 254-496,
 E01804NPAS-1 = 711-5726, E01804PPAS-1 = 711-5738.

SEN107X

3 WARRANTY YEARS

Voltage	Output	Order Code	1+	5+	10+
Prewired Type					
10 to 40V dc	NPN	254-472			
10 to 40V dc	PNP	254-484			
20 to 250V ac	SCR	254-496			
Plug-in Type					
10 to 40V dc	NPN	711-5726			
10 to 40V dc	PNP	711-5738			

M18 DC and AC Types Plastic Housing

IMO



- Diffuse, polarised and background suppression models
- M18 in-line or right angle head
- SCR output for A.C. types
- Plastic housing
- Pre-cabled or plug-in
- NPN/PNP (NO) versions
- DECOU (NPN/PNP-NO/NC selectable) versions

- 20-240V ac SCR version
- 3 Year Guarantee

Supply voltage 10-30V dc Wiring 3 wire – NPN/PNP and SCR
 20-240V ac (SCR version) 4 wire – DECOU
 Switching frequency 50kHz Sensing distance Diffuse – 100mm
 Protection **IP67** Diffuse – 400mm
 Load current 100mA B/grnd supp – 100mm
 Operating temp. -25°C to +70°C Polar reflex – 3m

SEN381

Description	Sensing Distance (mm)	Mftrs. List No.	Order Code	1+	5+	10+
M12 Plug-In						
PNP – Diffuse	100	SS2/OP-0E	311-0928			
NPN – Diffuse	100	SS2/ON-0E	311-0930			
PNP – Diffuse	400	SS6/OP-0E	311-0941			
NPN – Diffuse	400	SS6/ON-0E	311-0953			
NPN – Polar	3000	SSP/OP-0E	311-0965			
NPN – Polar	3000	SSP/ON-0E	311-0977			
2m Pre-Cabled						
PNP – Diffuse	100	SS2/OP-0A	311-0989			
NPN – Diffuse	100	SS2/ON-0A	311-0990			
PNP – Diffuse	400	SS6/OP-0A	311-1003			
NPN – Diffuse	400	SS6/ON-0A	311-1015			
NPN – Polar	3000	SSP/OP-0A	311-1027			
NPN – Polar	3000	SSP/ON-0A	311-1039			
SCR – Diffuse	400	MV6/00-0A	311-1040			
SCR – Polar	3000	MVP/00-0A	311-1052			
DEC – Diffuse	400	MS6/00-0A	311-1064			
DEC – B/grnd	100	MS0/00-0A	311-1076			
DEC – Polar	3000	MSP/00-0A	311-1088			
M18 Right-Angled Head, 2m Pre-Cabled						
DEC – Diffuse	100	MP2/00-0A	311-1090			
DEC – Diffuse	400	MP6/00-0A	311-1106			
DEC – Polar	3000	MPP/00-0A	311-1118			

Continued