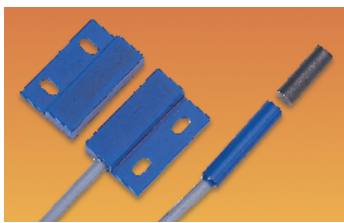


Proximity Switches – Magnetic

Reed, Plastic Housing



Rectangular switch: 30 20 7, Fixing centres = 16 (slots 6 3.3)
 Rectangular actuator: 30 20 7, Fixing centres = 16 (slots 6 3.3)
 Cylindrical switch: L = 28, Dia. = 6, Cylindrical actuator: L = 19, Dia. = 6

- Magnetic proximity switches with hermetically sealed contacts
- Suitable for systems, position sensing, level sensing, security, flow sensing, etc.
- Choice or normally open, normally closed or changeover contacts (Forms A, B or C)
- Rectangular or cylindrical polystyrene housing
- No maintenance required
- Rectangular version has two slotted fixing holes for easy fitting

Switch contacts operate when the magnet actuator moves in close proximity to the switch, 8mm min. for rectangular version and 5mm min. for cylindrical version.

	SPNO	5VA, SPCO, SPNC	20VA, SPCO
Switching current	0.5A max.	0.25A max.	1.0A max
Switching voltage	240V ac max.	175V ac max.	150V dc max
Switching capacity	10VA max.	5VA max.	20VA max
Operating temperature °C	-20 to +70	-20 to +70	-20 to +70

Changeover contacts = white-common, green-normally open, brown-normally closed

SEN173X

Switches	Mfrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+
Rectangular SPNO	PSA240/30	.607-186				
Rectangular SPNC	PSB175/30	.721-3440				
Rectangular SPCO	PSC175/30	.607-198				
Rectangular SPCO, 20VA	PSC150/30	.732-000				
Cylindrical SPNO	PRA240/30	.607-216				
Cylindrical SPCO	PRC175/30	.607-228				
Magnets						
Rectangular	PSM	.607-204				
Cylindrical	PRM	.607-230.				

Reed, Plastic Housing Miniature



Switch: 20 15 7
 Actuator: 20 15 7
 Fixing centres = 10 (slots 6 3.3)

- Magnetic proximity switch with hermetically sealed contacts
- Suitable for position, level sensing and security/anti-tamper
- Contacts closed with magnetic present
- Slotted holes for easy fitting and alignment
- Compact housing
- Good protection in harsh environments up to IP65

Applications

- Process control systems
- Intruder alarm, limit and proximity applications

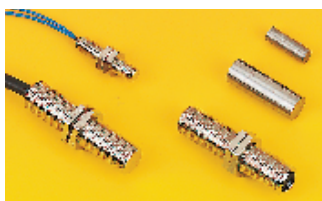
Switch contact operates when the magnet actuator moves in close proximity to the switch, typically 5mm.

Contacts	SPNO (Form A)	Switching voltage, min.	5mm
Switching voltage, max.	100V ac	Operating temperature	-5°C to +70°C
Switching current, max.	0.5A	Case material	ABS
Switching capacity, resistive	6VA	Cable length	2m, PVC insulated
Contact resistance, max.	150mΩ		

SEN366

Mfrs. List No.	Order Code	Price Each		
		1+	50+	200+
MPS4452S	309-4844			
MP4452M	309-4856			

Reed, Threaded Barrel



730-208: L = 28, Ø = M6
 732-734: L = 50, Ø = M12
 732-746: L = 90, Ø = M18
 607-230: L = 19, Ø = 6
 732-758: L = 30, Ø = 10
 732-771: L = 40, Ø = 12.5
 732-760: L = 50, Ø = M12
 732-783: L = 50, Ø = M18
 Cable L = 300 (all types)

- Threaded barrel housings for easy fitting and adjustment
- High switching capacity – up to 60VA and 120VA
- Suitable for a wide range of position sensing applications

Barrel size	M6	M12	M18
Contacts	SPNO (form A)	SPNO (form A)	SPNO (form A)
Switching voltage, max.	470Vac	230Vac	1500Vac
Switching current max.	0.5A	3.0A	3.0A
Switching capacity, resistive	10VA	60VA	120VA
Contact resistance, max.	150mΩ	80mΩ	80mΩ
Switching distance, min	5 mm	8 mm	15 mm
Operating temperature		-20°C to +85°C	
Case material		Brass, nickel plated	
Order Code	730-208	732-734	732-746

SEN323

Switches	Mfrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+
M6 threaded	PTA470/30	730-208				
M12 threaded	PTA230/30	732-734				
M18 threaded	PTA1500/30	732-746				
Magnets						
6mm dia	PRM	.607-230.				
12mm dia	PRMM	732-758				
M12 threaded	PTM12	732-760				
18mm dia	PRNM	732-771				
M18 threaded	PTM18	732-783				

Magnets – High Strength Discs Miniature, Nickel Plated



- Disc magnets made from strongest permanent magnet material
- Exceptional magnetic strength from small size
- All magnets nickel plated to reduce the onset of corrosion when used under normal conditions
- Suitable for use at temperatures up to 120°C
- Ideal for proximity sensor triggering or biasing where space is a premium

Distance (mm) at which magnets measure 1000 gauss	M1219-1 = 4.1, M1219-2 = 2.2, M1219-3 = 1.8, M1219-4 = 1.2, M1219-5 = 0.6
Surface flux measurement (gauss)	M1219-1 = 1500, M1219-2 = 2500, M1219-3 = 3200, M1219-4 = 2500, M1219-5 = 3500
Magnet material	Neodymium Iron Boron
Grade/Energy density	Grade N30H, max. energy density 30 MGOe (M1219-4 Grade N35H, energy density 35 MGOe)
Operating temperature	120°C max.

Note: M1219-4 has north-seeking pole identified with a dimple

Mfrs. List No.	M1219-1 = 723-0345, M1219-2 = 723-0357, M1219-3 = 723-0369, M1219-4 = 723-0370, M1219-5 = 723-0382.
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SEN358

Size (mm)	Order Code	Price Each				
		1+	25+	100+	250+	1000+
Dia. = 3, W = 1	723-0345					
Dia. = 3, W = 2	723-0357					
Dia. = 4, W = 3	723-0369					
Dia. = 6, W = 2	723-0370					
Dia. = 10, W = 5	723-0382					

Reed, Threaded Barrel



L = 28mm; Dia. thread = M8; Head Hex = 11mm A/F

- Threaded barrel housings for easy fitting and adjustment
- High switching capacity – up to 120VA
- Suitable for a wide range of position, proximity and limit sensing applications
- Low cost CTI version for easy fitting
- Contacts closed with magnet position
- Good protection in harsh environments up to IP65

Applications

- Process control systems
- Intruder alarm, limit and proximity applications

Barrel size	M8 (coarse)	Contact resistance, max.	200mΩ
Contacts	SPNO (Form A)	Switching distance, min.	10mm
Switching voltage, max.	230V ac	Operating temperature	-20°C to +85°C
Switching current, max.	0.5A	Case material	Brass
Switching capacity, resistive	10VA		

SEN367

Mfrs. List No.	Order Code	Price Each		
		1+	50+	200+
CTI302	309-4820			
CTI302M	309-4832			