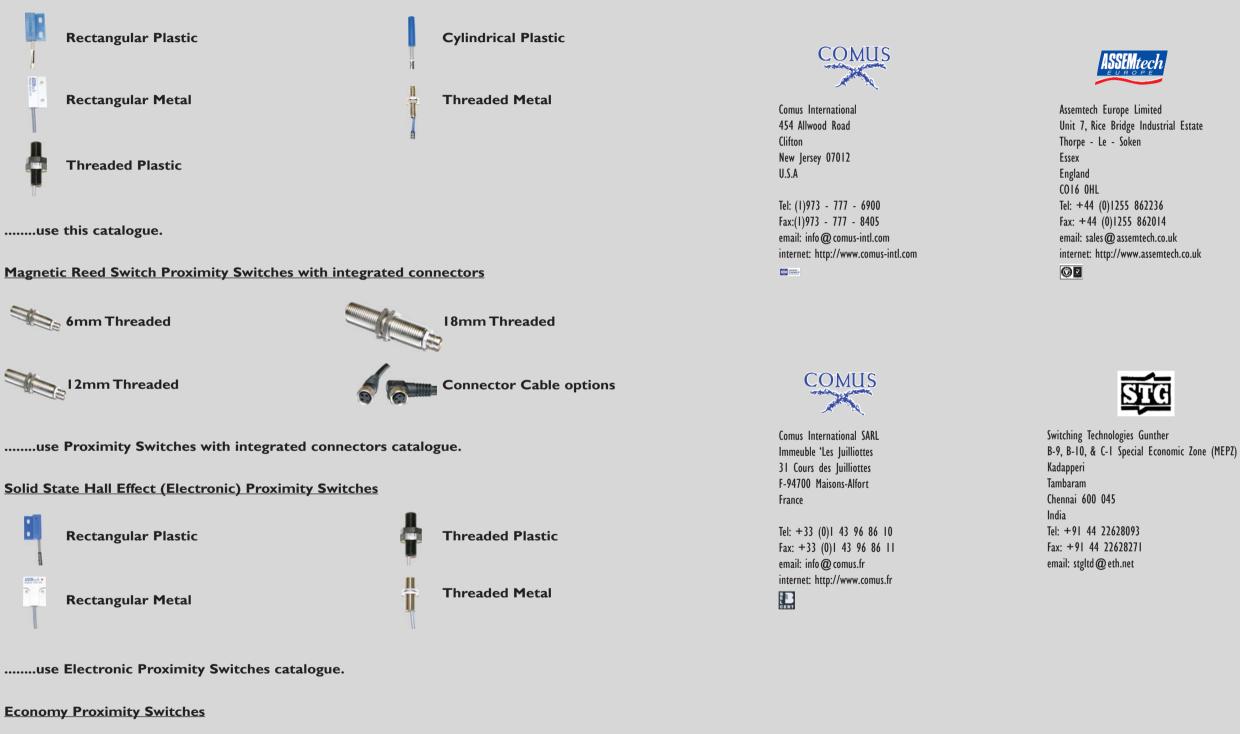
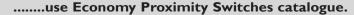


What type are you looking for?..

Magnetic Reed Switch Proximity Switches



A range of Economy grade Proximity Switches



All dimensions are nominal, in millimetres unless otherwise stated. If further information is required, individual datasheets are available on our websites, and on CD. As part of the groups policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on our products. We also have a large network of worldwide agents. These can be seen on any of our websites, or on our company profile brochure.

The Comus Group of Companies

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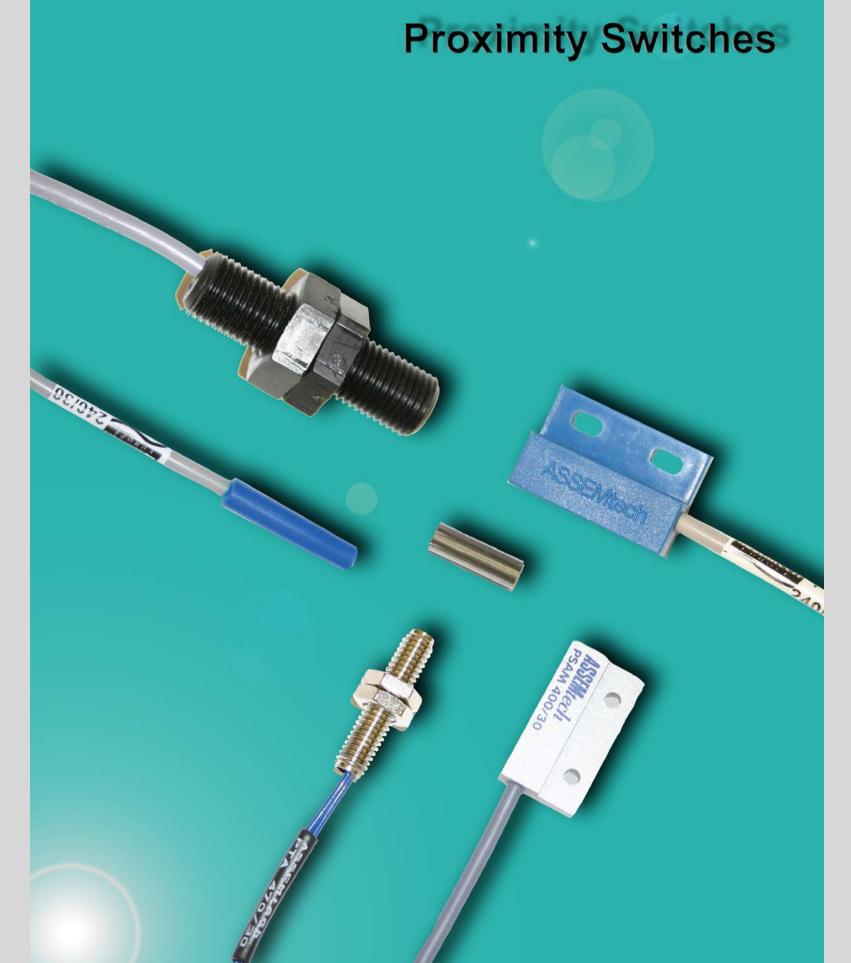


Comus Belgium BVBA Overhaamlaan 40 B-3700 Tongeren Belgium

Tel: +32 (0)12 390400 Fax: +32 (0)12 235754 email: info@comus.be internet: http://www.comus.be



Comus Electronics India No 74A Anbu Street Gandhi Nagar Ekkattuthangal Chennai 600 097 TamilNadu India Tel: +91 44 22628198 Fax: +91 44 22628271 email: chitra@comus-intl.com internet: http://www.comusindia.com



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DESCRIPTION

Reed Proximity Switches are operated by a moving magnet and can be used to detect many directions of movement. When the magnet reaches the operate distance from the reed switch, the reed switch contacts will operate (open or close). Moving the magnet away will cause the reed switch contacts to switch back to their original position.

OPERATION - Perpendicular

A magnet moved perpendicularly towards and away from a switch operates the switch off and on once.

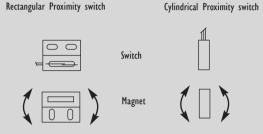
Rectangular Proximity switch



Cylindrical Proximity switch

OPERATION - Rotation

A magnet rotated through 360 degrees will operate the switch contacts at least twice in one cycle.



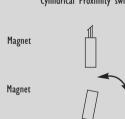
OPERATION - Swung

A magnet moved perpendicularly towards and away from a switch operates the switch off and on once.

Rectangular Proximity switch

Cylindrical Proximity switch



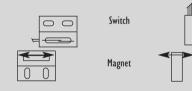


OPERATION - Parallel

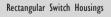
A magnet moving parallel to the switch will operate the switch contacts off and on, one to three times.

Rectangular Proximity switch

Cylindrical Proximity switch



SWITCHING OR OPERATING DISTANCE





Cylindrical Switch Housings



The switching distances shown in this catalogue are typical using the suggested magnets. The distance can be changed by using a different magnet. Contact Sales Office for further details.

Contact Protection

Further information on contact protection and the effects of Inductive and Capacitive loads is detailed in the Reed Switch Catalogue. Contact our sales office for your free copy.

Electrical Loads

Switch ratings are normally specified for AC resistive loads. Inductive and fast switch cycles will affect the life of the switch. The electrical life expectancy of a reed switch is typically at least I million operations at nominal load. Mechanical life is 100 million operations. See reed switch catalogue for more information.

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	(see magnet catalogu			LM	PRM	PRM	PRM	PRM	MMPSM	MPSM	PSM	PSM	PSRM	PSRM	MP4428M	PSM	MMPSM	MPSM	Suggested Magnet (PSM	PSRM	MMPSM	MPSM	PSM	PSRM	MP4428M	PRM	PRM	PRM	PTM 12	PTM 18	PRM	PRM	PRM	PRM	
Switching Capacit		VA 0.25		0	5	10	10	5	10	10	5	10	10	10	80	280	5	5	Switching Capacity	Max. W/VA		5	5	5	5	5	60	10	10	60	60	120	5	5	5	5	
Switching Voltage			14		150 0.5	400 0.5	100	100	400	400	150	400	400	400	220	280	0.5	100	Switching Voltage	Max. VAC	100	100	100	100	100	100	230	400	400	230	230	1500	100	100	100	100	
Switching Current Carry Current	Max. A Max. A	0.01	0.		1.0	1.0	0.5 1.0	0.5	0.5	1.0	0.5	0.5	0.5	0.5	2.0	1.0	1.0	1.0	Switching Current	Max. A Max. A	l.0	1.0	1.0	1.0	0.5	0.5	2.0	0.5	0.5	3.0 4.0	3.0 4.0	3.0 5.0	0.5	0.5	0.5	0.5	
Breakdown Voltag		C 150	23		200	600	1.0	200	600	600	200	600	600	600	800	600	200	200	Breakdown Voltage	Min. VDC	200	200	200	200	200	200	400	600	600	600	600	3000	200	200	200	200	
Contact Resistance			12		150	150	100	150	150	150	150	150	150	150	100	I.3Vpeak (On-State (Static) dV/dt min.)		150	Contact Resistance	Max. mOhm	s 150	150	150	150	150	150	100	150	150	80	80	80	150	150	150	150	
Switching Distanc		n 5	5		5	5	3	3	10	8	8	8	8	8	10		8	8	Switching Distance	Min. mm	8	8	8	8	8	8	10	3	3	8	8	15	3	3	3	3	
Operating Temp.		2 -20 +7	/0 -20	+85	-20 +85	-20 +85	-20 +85	-20 +85	-20 +85	-40 +105	-20 +85	-20 +85	-20 +85	-20 +85	-5 +70	-5 +70	-20 +85	40 . 105		nge Deg. °C	-20 +85	-20 +85	-20 +85	-40 +105	-20 +85	-20 +85	-5 +70	-20 +85	-20 +85	-20 +85	-20 +85	-20 +85	-20 +85	-20 +85	-20 +85	-20 +85	
Case Material		Black Polypro	pylene Black Poly	propylene B	lue Nylon 66	Blue Nylon 66	Blue Nylon 66	Blue Nylon 66	Blue Nylon 66	Glass filled Nylo	on Blue Nylon 66	Blue Nylon 66	Aluminium	Aluminium	ABS	ABS	Blue Nylon 66	Glass filled Nylo	Case Material		Blue Nylon 66	6 Aluminium	Blue Nylon 66	Glass filled Nylon	n Blue Nylon 66	Aluminium	ABS	Brass-Nickel plated	Black Acetal	Black Acetal	Brass-Nickel plated	Brass-Nickel plated I	Brass-Nickel plated	Black Acetal	Brass-Nickel plated	Black Acetal	
Cable		2 x 28 AWC insulated B			x Round 0.22mm ² P ¹	2 x Round 0.14mm ² WC covered Grey and insulated Brown / White	2 x Round 0.14mm ² PVC covered Grey and insulated Brown / White	 ² 3 x Round 0.14mm d PVC covered Grey ar insulated Brown / White / Green 	n ² 2 x Round 0.14mm nd PVC covered Grey an insulated Brown / White	n ² 2 x Round 0.22mm Irradiated PVC insulated Grey	² 2 x Round 0.14mm ² PVC covered Grey and insulated Brown / White	2 x Round 0.14mm ² PVC covered Grey and insulated Brown / White	2 x Round 0.14mm PVC covered Grey an insulated Brown / White	² 2 x Round 0.14mm ² d PVC covered Grey and insulated Brown / White	2 x Round 0.14mm ² PVC covered White and insulated Brown / White	2 x Round 0.14mm ² PVC covered Grey and insulated Brown White	2 x Round 0.14mm ² PVC covered Grey and insulated Brown / White	2 x Round 0.22mm ² Irradiated PVC insulated Grey	Cable		2 x Round 0.14mm PVC covered Grey ar insulated Brown / White	n ² 2 x Round 0.14mm ² nd PVC covered Grey and insulated Brown / White	 ² 3 x Round 0.14mm² d PVC covered Grey and insulated Brown / White / Green 	3 x Round 0.22mm ² d Irradiated PVC insulated Brown / White / Green	3 x Round 0.14mm ² PVC covered Grey and insulated Brown / White / Green	3 x Round 0.14mm ² PVC covered Grey and insulated Brown / White / Green	3 x Round 0.14mm ² PVC covered White and insulated Brown / White / Green	2 x Round 0.22mm ² / PVC insulated Blue	2 x Round 0.22mm ² PVC insulated Grey	2 x Round 0.14mm ² PVC covered Grey and insulated Brown / White	2 x Round 0.50mm ² PVC covered Black and insulated Brown / Blue	2 x Round 0.50mm ² PVC covered Black and insulated Brown / Blue	2 x Round 0.22mm ² PVC insulated Brown / White	2 x Round 0.22mm ² PVC insulated Brown / White	3 x Round 0.22mm ² PVC insulated Brown / White / Green	3 x Round 0.22mm² PVC insulated Brown / White / Green	
AWG to mm ² Cro AWG 30 28 26 24 22 21 18 17 16 14 12 10 8 6 4 2 1 20 3/0 4/0 3/0 4/0 3/0 4/0 3/0 5/0 MCM	mm² 0.05 0.05 0.08 0.14 0.0 0.38 0.34 0.38 0.375 1.0 1.5 2.5 4 6 10 16 25 35 50 70 95 120 150 150 150 185 240				Appentoch	240/3					A CONTRACTOR	ASSEMBOD	ASSEMILECH PSAM 240/30	ASSEMILECTI PSAM 400/30							ASSEMBOR	ASSENTECIT PSBM 130/30			A C C C C C C C C C C C C C C C C C C C	ASSEMILEC'IL PSCM 175/30		To and the second se	Assenies Passenies Passeni								

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