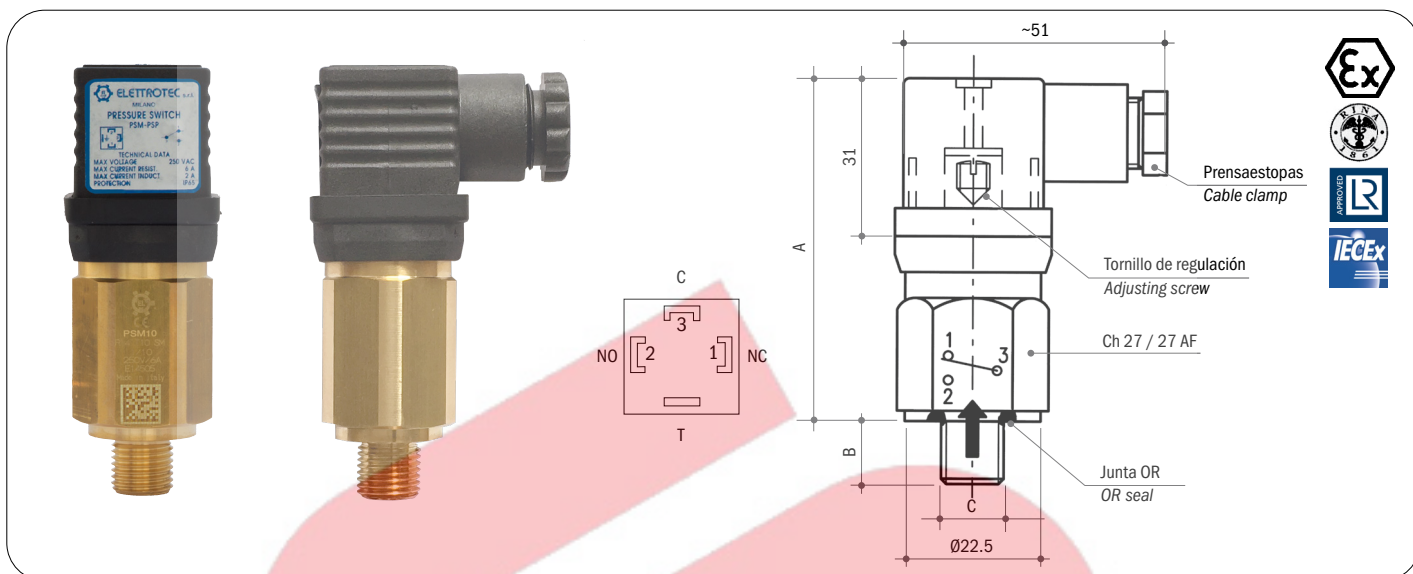


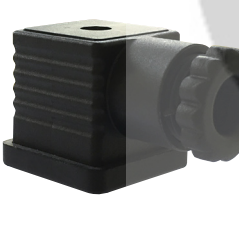
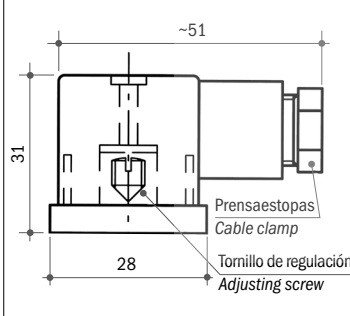
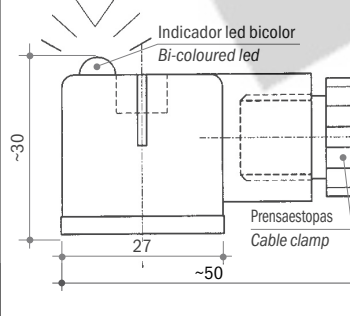
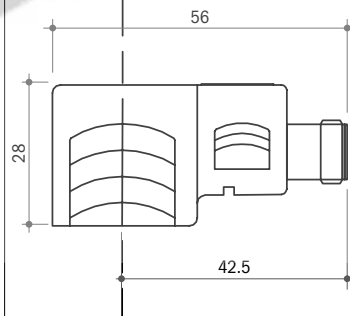
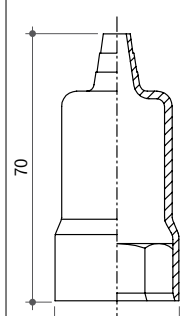
PSM-PSP PRESOSTATOS CON CONTACTO CONMUTADO Y HISTÉRESIS REGULABLE

Adjustable pressure switches with SPDT contacts and adjustable hysteresis



Corriente máx.	250 Vca, 24 Vcc; 30 V con opción "G"	Max. voltage	250 Vac, 24 Vdc; 30 V with "G" option
Intensidad de corriente	6 (2) A; 30 mA con opción "G"	Current	6 (2) A; 30 mA with "G" option
Contactos eléctricos	SPDT	Electrical contacts	SPDT
Histéresis regulable	10% ÷ 30% del valor calibrado	Adjustable hysteresis	10% - 30% of set-point
Rango de temperatura	-30°C...+140°C (según membrana o junta)	Temperature range	-30°C to +140°C (according to diaphragm/seal material)
Nº máx. de ciclos a 25°C	120/1' (membrana)	Max. cycle rate at 25°C	120/min. (diaphragm type)
Nº máx. de ciclos a 25°C	60/1' (pistón)	Max. cycle rate at 25°C	60/min. (piston type)
Protección	IP 65 DIN 40050 ver página 8	Protection	IP 65 DIN 40050 see page 8
Conector	DIN 43650 forma A PG09 o PG11	Connector	DIN 43650 form A PG09 or PG11
Vida mecánica	10 ⁶ ciclos	Mechanical life	10 ⁶ operations
Par de apriete recomendado	Máx. 5 Kgm. ver página 3	Recommended tightening torque	Max. 5 Kgm. see page 3

CONEXIONES ELÉCTRICAS DISPONIBLE / AVAILABLE ELECTRICAL CONNECTIONS

PROTECCIÓN IP 65 IP 65 PROTECTION			PROTECCIÓN IP 54 IP 54 PROTECTION
Conector DIN 43650 A DIN 43650 A connector	Conector transparente con led bicolor rojo/verde Transparent connector with red/green bi-coloured led Tipo Type CLB	Adaptador DIN 43650 A a M12 DIN 43650 A to M12 adaptor	COD. 30013 Tipo / Type CAP. 12
			
			

	PSM	10	W	V	R18	T5D	
Modelo / Model PSM - PSP			Cuerpo / Body B - F - W				Opciones / Options SM - G - SG - T... - T...D - T...F... - XIA - TG
Rango / Range 2 - 10 - 50 - 100 - 150 - 300					"C"	Rosca / Thread	"B"
					18K	G 1/8 BSPT cónica / Taper	10
					14K	G 1/4 BSPT cónica / Taper	12
					10K	M10x1 cónica / Taper	10
					M12	M12x1.5 cilíndrica / Parallel	12
					R14	G 1/4 BSPP cilíndrica / Parallel	12
					R18	G 1/8 BSPP cilíndrica / Parallel	10
					14NPT	1/4" NPT cónica / Taper	12
					18NPT	1/8" NPT cónica / Taper	10

PSM...	Presostatos con contactos SPDT a membrana		PSM...	Diaphragm pressure switch with SPDT contacts	
PSP...	Presostatos con contactos SPDT a pistón		PSP...	Piston pressure switch with SPDT contacts	
Material cuerpo Ch 27 (ver características generales)	B	Latón	27 AF body material (see general specifications)	B	Brass
	F	Acero zincado		F	Zinc plated steel
	W	Acero inoxidable 316 disponible bajo demanda en todos los modelos		W	S.s. 316 on request for all models
	N	NBR (standard) (-5°C...+90°C)		N	NBR (standard) (-5°C to +90°C)
	NT	HNBR (-25°C...+140°C)		NT	HNBR (-25°C to +140°C)
Membranas disponibles/ juntas	V	FKM (-5°C...+90°C)	Available diaphragm/ seal	V	FKM (-5°C to +90°C)
	S	Silicona (-30°C...+120°C)		S	Silicone (-30°C to +120°C)
	C	Neopreno (-10°C...+90°C)		C	Neoprene (-10°C to +90°C)
	E	EPDM (-20°C...+110°C)		E	EPDM (-20°C to +110°C)
	MI	Acero inoxidable (-30°C...+140°C) (solo PSM2 e PSM10)		MI	Stainless steel (-30°C to +140°C) (only PSM2 and PSM10)
	Z	ZNBR (-40°C...+60°C)		Z	ZNBR (-40°C to +60°C)
Roscas disponibles	18K	G 1/8 BSPT cónica	Available threads	18K	G 1/8 BSPT taper
	14K	G 1/4 BSPT cónica		14K	G 1/4 BSPT taper
	10K	M10x1 cónica		10K	M10x1 taper
	M12	M12x1.5 cilíndrica		M12	M12x1.5 parallel
	R14	G 1/4 BSPP cilíndrica		R14	G 1/4 BSPP parallel
	R18	G 1/8 BSPP cilíndrica		R18	G 1/8 BSPP parallel
	14NPT	1/4" NPT cónica		14NPT	1/4" NPT taper
	18NPT	1/8" NPT cónica		18NPT	1/8" NPT taper
Opciones	SM	Amortiguador para golpe de presión	Options	SM	Snubber for pressure picks
	G	Contactos dorados para baja tensión		G	Gold-plated contacts for low current
	SG	Desgrasado para oxígeno		SG	Degreased for applications with oxygen
	T...	Tarado en ascenso al valor deseado (ej. T2 tarados en ascenso a 2 bar)		T...	Set-point rising to the required value (ex. T2 rising set-point adjustment at 2 bar)
	T...D	Tarado en descenso al valor deseado (ej. TD5 tarados en descenso a 5 bar)		T...D	Set-point falling to the required value (ex. T5D falling set-point adjustment at 5 bar)
	T...F...	Calibración del presostato y del diferencial si >10% máx. 30 % valor de calibración (ej. T40 F10 tarado en ascenso a 40 bar con diferencial de 10 bar) Tarado en Eletrotec.		T...F...	Set-point and hysteresis at the required value if > 10% max. 30% of set-point (ex. T40F10 set-point at 40 bar with hysteresis at 10 bar) FACTORY SETTING
	XIA	Ejecución XIA - Certificado ATEX Ex ia IIC T6/T5/T4 Ga y IECEx Ex ia IIC T6/T5/T4 Ga		XIA	XIA execution - Certified ATEX Ex ia IIC T6/T5/T4 Ga and IECEx Ex ia IIC T6/T5/T4 Ga
	TG	Testado para gas		TG	Tested for applications with gas

IN COMPLIANCE WITH DIRECTIVE 2014/30/CE.

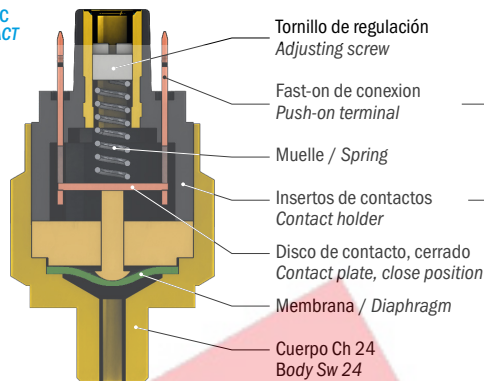
MODELO MODEL	CAMPO DE REGULACION ADJUSTMENT RANGE bar	DIMENSIONES "A" DIMENSIONS "A" mm	MÁX. PRESIÓN SOPORTADA / MAX. STATIC PRESSURE bar			PRECISION 25°C TOLERANCE AT 25°C bar	EJECUCIÓN EXECUTION
			CUERPO EN LATÓN BRASS BODY EXECUTION	CUERPO ACERO ZINCADO ZINC PLATED BODY EXECUTION	CUERPO EN ACERO INOXIDABLE 316 S.S. 316 BODY EXECUTION		
PSM 2	0.2 - 2	75	300	300	300	± 0.2	Membrana Diaphragm
PSM 10	1 - 10	75	300	300	300	± 0.4	
PSM 50	10 - 50	75	300	300	300	± 2	
PSM 100	30 - 100	75	300	300	300	± 3	
PSP 150	30 - 150	79		600	600	± 5	Pistón en acero Steel piston
PSP 300	50 - 300	79		600	600	± 15	

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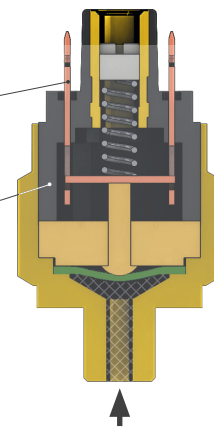
DATOS TÉCNICOS GENERALES GENERAL TECHNICAL DATA

PRESOSTATO DE MEMBRANA, CONTACTO NC
DIAPHRAGM PRESSURE SWITCH, NC CONTACT

SIN PRESIÓN
WITHOUT PRESSURE

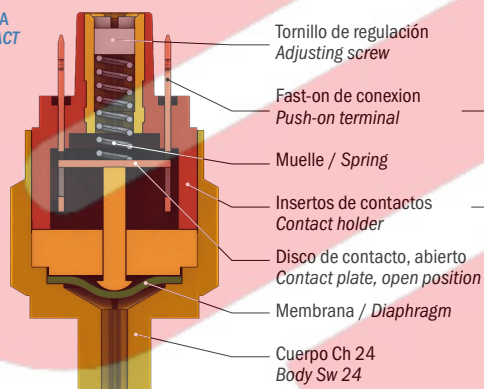


CON PRESIÓN
WITH PRESSURE

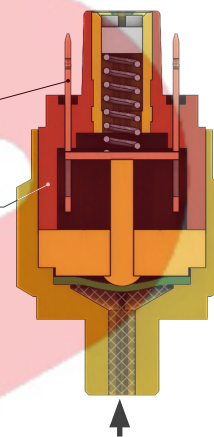


PRESOSTATO DE MEMBRANA, CONTACTO NA
DIAPHRAGM PRESSURE SWITCH, NO CONTACT

SIN PRESIÓN
WITHOUT PRESSURE



CON PRESIÓN
WITH PRESSURE



PAR DE APRIETE RECOMENDADO / RECOMMENDED TIGHTENING TORQUES

Latón / Brass		Acero zincado Zinc plated steel		Acero inoxidable 316 S.s. 316	
Rosca Thread	Par de apriete recomendado* Recommended tightening torque Nm	Rosca Thread	Par de apriete recomendado* Recommended tightening torque Nm	Rosca Thread	Par de apriete recomendado* Recommended tightening torque Nm
R18	17	R18	22	R18	24
18K	17	18K	22	18K	24
18NPT	17	18NPT	22	18NPT	24
5/8UNF	30	5/8UNF	40	5/8UNF	45
R12	40	R12	55	R12	60
R14	25	R14	35	R14	40
14K	25	14K	35	14K	40
14NPT	25	14NPT	35	14NPT	40
M10	18	M10	25	M10	30
M12	23	M12	32	M12	35
10K	18	10K	25	10K	30
34K	50	34K	70	34K	80

CONTACTOS ELÉCTRICOS / ELECTRICAL CONTACTS APPLIED

Contactos / Contacts			Directiva DIN-EN-60947-5-1 Standard DIN-EN-60947-5-1	Símbolo IEC 60617 Symbol IEC 60617
NA	NA normalmente abierto NO normally open	SPST (single pole, single throw)	X	
NC	NC normalmente cerrado NC normally closed	SPST (single pole, single throw)	Y	
SC	SC contactos conmutado CO change over (snap action)	SPDT (single pole, double throw)	C	

* Un par de apriete incorrecto puede afectar la vida mecánica del presostato. Variando el cuerpo del presostato, también variará el par de apriete.

* Improper torque may affect the mechanical life of the switch. The relevant legislation has been expressed in various ways. By varying the type of material used to make the switch body, will also vary the tightening torque.

PRESOSTATOS / PRESSURE SWITCHES

PROTECCIONES ELECTRICAS ELECTRIC PROTECTIONS

Página / Page		PMN	PMM	PM250	PMB	MS	PS	PSM PSP	PMC PMC...D	PPC PPCF	PPC...D PPCF...D	PML	PPL	PSK	MPS	PHP	PHC
Protección IP 54 IP 54 electric protection		9	11	13	15	17	17	19...26	27	29	29	31	31	33	35	37	39
 CAP. 1 CAP. 10 CAP. 12 CAP. 16 CAP. 30 CAP. 31	CAP. 1	●	●	●	●											●	
	CAP. 10	●	●													●	
	CAP. 12							●									
	CAP. 16					●	●								●		
	CAP. 30																●
	CAP. 31																●
 CAP. 3 CAP. 13 Conector DIN 43650 A DIN 43650 A connector 	CAP. 3	●	●	●												●	
	CAP. 13					●	●										
	Conector DIN 43650 A DIN 43650 A connector							●	●	●	●	●	●	●	●		
 CAP. 14 + cables + conector CAP. 14 + flying leads + connector Conector M12 / M12 connector  Deutsch DT04-2P integrado 	CAP. 14 + cables + conector CAP. 14 + flying leads + connector	●		●		●	●									●	
	Conector M12 / M12 connector					●	●	●	●	●	●	●	●	●	●		
	Deutsch DT04-2P integrado														●		
DATOS ELECTRICOS ELECTRIC DATA		PMN	PMM	PM250	PMB	MS	PS	PSM PSP	PMC PMC...D	PPC PPCF	PPC...D PPCF...D	PML	PPL	PSK	MPS	PHP	PHC
Corriente de alimentacion / Power supply	12 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	110 Vca/cc			●	●	●	●	●	●	●	●	●	●	●	●	●	●
	220 Vca/cc			●	●	●	●	●	●	●	●	●	●	●	●	●	●
	250 Vca/cc			●	●	●	●	●	●	●	●	●	●	●	●	●	●
Corriente máx. / Max. current	< 30 mA	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	0.5 A	●	●	●	●				●	●	●	●	●	●		●	
	3 A								●	●	●	●	●	●			
	4 A																●
	6 A					●	●	●									
	7 A														●		
	8 A																●
	10 A								●	●	●	●	●	●			
	15 A																●
Contactos de plata / Silver plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contactos dorados / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Histéresis fija / Fixed hysteresis		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
Histéresis regulable / Adjustable hysteresis								●									
Cuerpo Ch 24 / Body 24 AF		●	●	●	●	●	●					●	●		●	●	
Cuerpo Ch 27 / Body 27 AF								●									

Elettrotec se reserva el derecho de realizar cambios técnicos en los productos o cesar la producción sin obligación de darse cuenta. El contacto del presostato puede dañarse si se somete a fuertes golpes o vibraciones elevadas. Es responsabilidad del usuario para verificar la idoneidad de nuestros productos para cada aplicación en particular (por ejemplo, la verificación de compatibilidad de materiales) y su uso solo puede ser apropiado si se demuestra en pruebas de campo. Información técnica en este catálogo se basan en pruebas realizadas durante el desarrollo del producto y en valores empíricos recogidos. Puede que no sean aplicables en todos los casos.

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