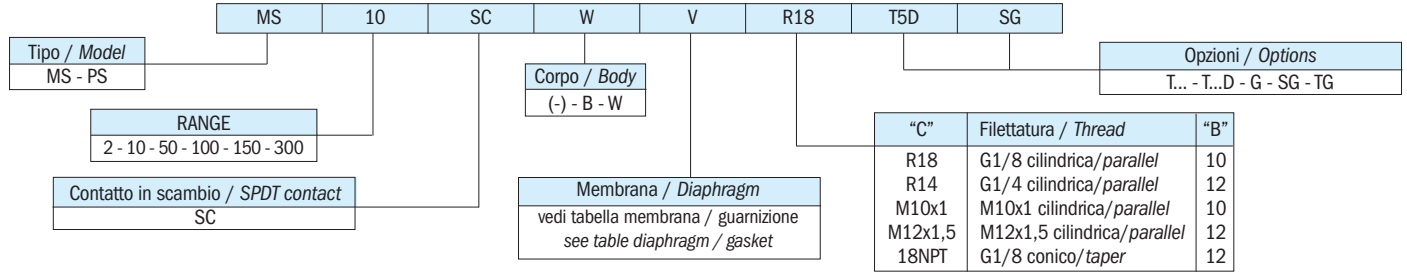




Portata contatti	6(2)A / 250 Vca	Switch rating	6(2)A / 250 Vac
Portata contatti	2(1)A / 24 Vcc	Switch rating	2(1)A / 24 Vdc
Portata max contatti dorati	30mA / 30 Vcc	Max rating - gold contacts	30mA / 30 Vdc
Campo di temperatura	-30°C...+140°C (in funzione della membrana/guarnizione)	Temperature range	-30°C...+140°C (according to diaphragm/gasket material)
Max. n° di interventi a 25°C	120/1' (membrana)	Max. cycle rate at 25°C	120/min. (diaphragm type)
Max. n° di interventi a 25°C	10/1' (membrana acciaio inox)	Max. cycle rate at 25°C	10/min. (with SS type)
Max. n° di interventi a 25°C	60/1' (pistone)	Max. cycle rate at 25°C	60/min. (piston type)
Protezione senza cappuccio	IP 00 vedi pagina 2	Protection (terminals)	IP 00 see pag. 2
Protezione con CAP 13	IP 65 vedi pagina 2	Protection with CAP 13	IP 65 see pag. 2
Protezione con CAP 16	IP 54 vedi pagina 2	Protection with CAP 16	IP 54 see pag. 2
Castelletto portacontatti	Pocan	Switching housing	Pocan
Vita meccanica	10 <sup>6</sup> cicli	Mechanical life	10 <sup>6</sup> operations
Coppia di serraggio max	5 Kgm	Tightening torque	5 Kgm
Contatti elettrici argentati	Ag. CdO	Silver-plated contacts	Ag. CdO



#### SIGLA DI ORDINAZIONE / HOW TO ORDER



#### SPIEGAZIONE DELLE SIGLE DI ORDINAZIONE / ORDERING INFORMATION

<b>MS</b>	Pressostato esecuzione a membrana
<b>PS</b>	Pressostato esecuzione a pistone
<b>Tipo di contatto</b>	SC Esecuzione con contatti in scambio SPDT
<b>Materiale corpo Ch24 (vedi caratteristiche generali)</b>	- Esecuzione standard in ottone (MS2 - MS10) B Esecuzione standard in ottone (MS50 - MS100) W Esecuzione in acciaio inox AISI316 (PS150 - PS300)
<b>Membrana o guarnizione</b>	- HNBR (-25°C...+140°C) V FKM (-5°C...+90°C) S Silicone rosso (-30°C...+120°C) E EPDM (-20°C...+110°C) C Neoprene (-10°C...+110°C) MI Acciaio Inox solo per MS2 e MS10 per pressione statica max. 80 bar (-30°C...+140°C)
<b>Filettature disponibili</b>	R18 G1/8 cilindrica Quota "B" = 10 R14 G1/4 cilindrica Quota "B" = 12 M10 M10x1 cilindrica Quota "B" = 10 M12 M12x1.5 cilindrica Quota "B" = 12 18NPT G1/8 conico Quota "B" = 10
<b>Taratura</b>	T... Pressostati con taratura in salita al valore richiesto (es. T2 taratura in salita a 2 bar) T...D Pressostati con taratura in discesa al valore richiesto (es. T5D taratura in discesa a 5 bar)
<b>Esecuzioni speciali (a richiesta)</b>	G Contatti dorati per bassa corrente SG Pressostati sgrassati per utilizzo con ossigeno TG Pressostati testati per utilizzo con gas

IN CONFORMITÀ ALLE NORME 2004/108 CE RELAZIONE EMC N° 147E/96.

<b>MS</b>	Diaphragm pressure switch
<b>PS</b>	Piston pressure switch
<b>Contact</b>	SC SPDT C/O contact
<b>24 AF body material</b>	- Standard execution brass (MS2 - MS10) B Standard execution brass (MS50 - MS100) W AISI316 Standard execution steel (PS150 - PS300)
<b>Diaphragm or gasket</b>	- HNBR (-25°C to +140°C) V FKM (-5°C to +90°C) S Red silicone (-30°C to +120°C) E EPDM (-20°C to +110°C) C Neoprene (-10°C to +110°C) MI Stainless steel only for MS2 e MS10 models max. pressure static 80 bar (-30°C to +140°C)
<b>Threads</b>	R18 G1/8 parallel "B" = 10 R14 G1/4 parallel "B" = 12 M10 M10x1 parallel "B" = 10 M12 M12x1.5 parallel "B" = 12 18NPT G1/8 taper "B" = 10
<b>Setting</b>	T... Set up rising to the required value (ex. T2 rising set-point adjustment at 2 bar) T...D Set up falling to the required value (ex. T5D falling set-point adjustment at 5 bar)
<b>Options</b>	G Gold-plated contacts for low current applications SG Pressure switches degreased for applications with oxygen TG Pressure switches tested for applications with gas

IN COMPLIANCE WITH 2004/108 CE RULES EMC N° 147E/96 REPORT.

#### CARATTERISTICHE GENERALI / GENERAL SPECIFICATIONS

TIPO MODEL	CAMPO DI LAVORO PRESSIONI RELATIVE ADJUSTMENT RELATIVE PRESSURE RANGE bar	DIMENSIONI "A" DIMENSIONS "A" mm	MAX. PRESSIONE STATICA SUPPORTABILE bar MAX. STATIC PRESSURE bar		DIFFERENZIALE FISSO MAX. 25°C FIXED HYSTERESIS AT 25°C bar	TOLLERANZA D'INTERVENTO 25°C TOLERANCE AT 25°C bar	ESECUZIONE EXECUTION
			ESEC. CORPO OTTONE BRASS BODY EXECUTION	ESEC. CORPO ACCIAIO INOX AISI 316 AISII 316 STAINLESS STEEL EXECUTION			
MS 2	0,2 - 2	57	300	300	~ 15% set-point	±0,2	Membrana Diaphragm
MS 10	1 - 10	57	300	300	~ 15% set-point	±0,4	
MS 50	10 - 50	57	300	300	~ 15% set-point	±2	
MS 100	10 - 100	57	300	300	~ 15% set-point	±3	
PS 150	30 - 150	57		600	~ 15% set-point	±5	Pistone Piston
PS 300	50 - 300	57		600	~ 15% set-point	±15	

## PRESSOSTATI / PRESSURE SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
<b>Pagina / Page</b>	3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Pressostato / Pressure switch	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vuotostato / Vacuum switch														
Contatto NA / NO Contact	●	●	●										●	
Contatto NC / NC Contact	●	●	●											
Contatto SPDT / SPDT Contact				●	●	●	●	●	●	●	●	●		●
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●	●			●		●	●	●
Esecuzione a pistone / Piston execution		●	●		●			●	●		●	●		
Regolabile / Adjustable	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●	●	●		●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable hysteresis						●								
<b>Dati elettrici / Electrical data</b>														
Massimo 48V / Max. 48V	●	●	●											
Massimo 250V / Max. 250V				●	●	●	●	●	●	●	●	●	●	●
10 mA		●	●	●	●	●								
0,4 Ampere														
1 Ampere														
0,3 Ampere	●													
0,5 Ampere		●	●										●	
3 Ampere							●	●	●	●	●	●		
6 Ampere				●	●	●								
7 Ampere														●
Contatti argentati / Silver plated contacts	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●		
<b>Pressione di lavoro / Working pressure</b>														
0,1 / 1 bar		●	●											
0,15 / 2 bar		●	●				●						●	
0,2 / 2 bar	●			●		●								
0,2 / 5 bar							●							
0,5 / 3 bar							●							●
0,5 / 10 bar							●			●				
1 / 10 bar				●		●						●		
2 / 10 bar	●	●	●											●
2 / 12 bar														●
10 / 20 bar		●	●											●
10 / 22 bar														●
10 / 25 bar							●							
10 / 50 bar				●		●								
10 / 100 bar				●		●				●		●		
20 / 50 bar		●	●											
20 / 52 bar														●
25 / 80 bar							●							●
30 / 150 bar					●			●	●		●			●
50 / 80 bar		●	●											●
50 / 150 bar		●	●											
50 / 300 bar		●	●		●									
100 / 250 bar		●	●											
150 / 300 bar								●	●					
150 / 350 bar											●			
100 / 360 bar												●		
<b>Pressione statica max. / Max. Static Pressure</b>														
20 bar														
30 bar	●													
60 bar							●							
80 bar		●	●	●	●	●								
100 bar							●							
150 bar		●	●	●	●	●	●							
250 bar														
300 bar		●	●	●	●	●				●		●		●
400 bar		●	●	●	●	●								
600 bar		●	●	●	●	●		●	●	●	●	●		
<b>Materiale corpo / Body material</b>														
Alluminio anodizzato / Anodized aluminium							●	●	●	●	●	●		
Ottone / Brass	●	●	●	●	●	●							●	●
Acciaio zincato / Zinc plated steel		●	●				●	●	●	●	●			
Inox AISI 316 / Stainless steel 316		●	●	●	●	●								●
<b>Connessione elettrica / Electric connection</b>														
Fast-on / Push-on terminals	●	●		●	●									●
Morsetto a vite / Screw terminals			●										●	
Connettore DIN 43650 / DIN connector 43650						●	●	●	●	●	●	●		●
<b>Protezione elettrica / Electric protection</b>														
IP 00	●													●
IP 54		●		●	●									●
IP 65			●	●	●	●	●	●	●	●	●	●	●	●
IP 67		●		●	●									●
<b>Omologazioni / Certification</b>														
ATEX / ATEX						●	●	●	●	●	●	●		
R.I.N.A. / R.I.N.A.						●	●	●	●	●	●	●		
LLOYD'S / LLOYD'S						●	●	●	●	●	●	●		
IMQ / IMQ						●								











## VUOTOSTATI / VACUUM SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	VCN	VCM	VS	VSM	VMC	VC1A30
<b>Pagina / Page</b>	20	21	22	23	24	25
Pressostato / Pressure switch						
Vuotostato / Vacuum switch	●	●	●	●	●	●
Contatto NA / NO Contact	●	●				●
Contatto NC / NC Contact	●	●				
Contatto SPDT / SPDT Contact			●	●	●	
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●
Esecuzione a pistone / Pistone execution						
Regolabile / Adjustable	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●		●	●
Isteresi regolabile / Adjustable hysteresis				●		
<b>Dati elettrici / Electrical data</b>						
Massimo 48V / Max. 48V	●	●				
Massimo 250V / Max. 250V			●	●	●	●
10 mA	●	●	●	●		
0,4 Ampere						
1 Ampere						
0,3 Ampere						
0,5 Ampere	●	●				●
3 Ampere					●	
6 Ampere			●	●		
Contatti argentati / Silver plated contacts	●	●	●	●	●	●
Contatti dorati / Gold plated contacts	●	●	●	●		
<b>Campo di lavoro / Working range</b>						
-150 / -700 mbar						●
-200 / -900 mbar	●	●				
-200 / -500 mbar			●	●	●	
-500 / -900 mbar			●	●	●	
<b>Pressione statica max. / Max. Static Pressure</b>						
20 bar	●	●	●	●	●	●
<b>Materiale corpo / Body material</b>						
Alluminio anodizzato / Anodized aluminium					●	
Ottone / Brass						●
Acciaio zincato / Zinc plated steel	●	●	●	●	●	
Inox AISI 303 / Stainless steel 303	●	●	●	●		
Inox AISI 316 / Stainless steel 316	●	●	●	●		
<b>Connessione elettrica / Electric connection</b>						
Fast-on / Push-on terminals	●		●			
Morsetto a vite / Screw terminals		●				●
Connettore DIN 43650 / DIN connector 43650				●	●	
<b>Protezione elettrica / Electric protection</b>						
IP 00						
IP 54	●		●			
IP 65		●	●	●	●	●
IP 67	●		●			
<b>Omologazioni / Certification</b>						
ATEX / ATEX				●		
R.I.N.A. / R.I.N.A.				●		
LLOYD'S / LLOYD'S				●		
IMQ / IMQ				●		

**PRESSOSTATI / PRESSURE SWITCHES**

**PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS**










		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Pagina /Page		3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Protezione IP 54 / IP 54 electric protection	CAP 1 		●	●											
	CAP 10 		●	●											
	CAP 16 				●	●									●
Protezione IP 65 / IP 65 electric protection	CAP 2 													●	
	CAP 3 			●											
	CAP 13 				●	●									
	Connettore Din 40050 / Din 40050 Connector 						●	●	●	●	●	●	●		●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 		●		●	●									
	Connettore M12 / M12 Connector 				●	●									●
	Deutsch 														●

**DATI TECNICI / TECHNICAL DATA**

		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	110 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	220 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	250 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	●	●	●	●	●	●	●		
	0,3 A	●													
	0,4 A														
	0,5 A		●	●										●	
	1 A														
	3 A							●	●	●	●	●	●		
	6 A				●	●	●								
	7 A														●
Contatti argentati / Silver plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							●								
Corpo CH. 24 / Body 24 AF		●	●	●	●	●					●	●		●	●
Corpo CH. 27 / Body 27 AF							●								

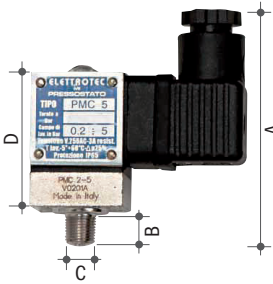
**VUOTOSTATI / VACUUM SWITCHES**

**PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS**

		VCN	VCM	VS	VSM	VMC	VC1A30
Pagina /Page		20	21	22	23	24	25
Protezione IP 54 / IP 54 electric protection	CAP 1 	●					
	CAP 10 	●					
	CAP 16 			●			
Protezione IP 65 / IP 65 electric protection	CAP2 						●
	CAP 3 		●				
	CAP 13 			●			
	Connettore Din 40050 / Din 40050 Connector 					●	●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 			●			
	Connettore M12 / M12 Connector 			●			

**DATI TECNICI / TECHNICAL DATA**

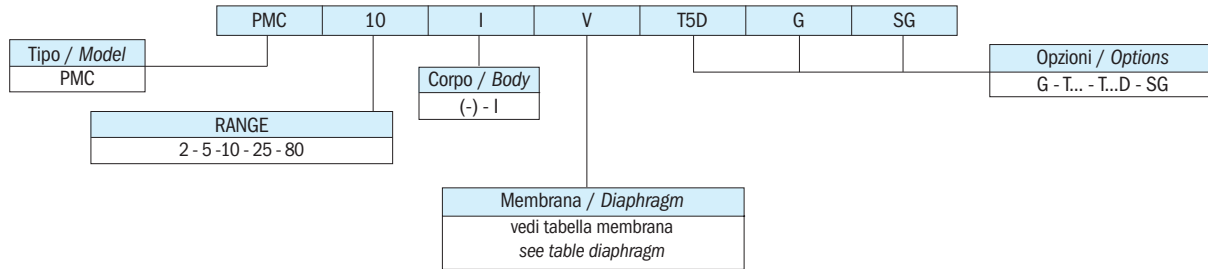
		VCN	VCM	VS	VSM	VMC	VC1A30
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●
	110 Vca/cc			●	●	●	●
	220 Vca/cc			●	●	●	●
	250 Vca/cc			●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	
	0,3 A						
	0,4 A						
	0,5 A	●	●				●
	1 A						
	3 A					●	
	6 A						
Contatti argentati / Silver plated contacts		●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							
Corpo CH. 24 / Body 24 AF		●	●	●	●		●
Corpo CH.27 / Body 27 AF							



Tensione massima	250 Vca	Maximum voltage	250 Vac
Tensione di lavoro	220 Vca	Working voltage	220 Vac
Intensità di corrente	3A (resistivi) 2A (induttivi)	Current	3A (resistive) 2A (inductive)
Contatti elettrici	SPDT	C/O contact	SPDT
Temperatura di lavoro	-5°C...+80°C	Temperature range	-5°C to +80°C
N° cicli max a membrana	100/1'	Max cycle rate - diaphragm type	100/min.
Differenziale fisso	≤ 30% del valore di taratura	Fixed hysteresis	≤ 30% of set-point
Protezione	IP65 - DIN 40050	Protection	IP65 - DIN 40050 see page 2
Connettore	PG09 - DIN 43650	PG09 connector	DIN 43650
Membrana	NBR	Diaphragm	NBR
Corpo	Alluminio anodizzato	Body	Anodized aluminium
Materiale flangia	Acciaio AVP	Flange material	AVP steel



### SIGLA DI ORDINAZIONE HOW TO ORDER



### SPIEGAZIONE DELLE SIGLE DI ORDINAZIONE / ORDERING INFORMATION

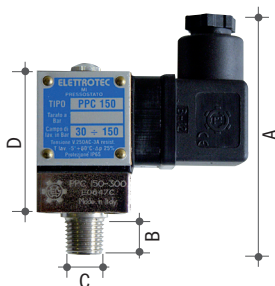
Membrane disponibili		Diaphragm	
-	NBR (standard) -5°C...+90°C	-	NBR (standard) -5°C to +90°C
NT	HNBR -25°C...+140°C	NT	HNBR -25°C to +140°C
V	FKM -5°C...+90°C	V	FKM -5°C to +90°C
S	Silicone -30°C...+120°C	S	Silicon -30°C +120°C
Esecuzioni speciali		Options	
G	Contatti dorati per bassa corrente	G	Gold-plated contacts for low current
T...	Taratura in salita al valore richiesto	T...	Set-point adjustment rising at the required value
T...D	Taratura in discesa al valore richiesto	T...D	Set-point adjustment falling at the required value
I	Corpo in AISI 303	I	AISI 303 stainless steel body
10A	Microinterruttore da 10 A	10A	Microswitch for 10A
L24	Con lampada 24 V	L24	Connector with LED 24 V
L110	Con lampada 110 V	L110	Connector with LED 110 V
L220	Con lampada 220 V	L220	Connector with LED 220 V
SG	Sgrassati per ossigeno	SG	Degreased for applications with oxygen

IN CONFORMITÀ ALLE NORME 2004/108 CE RELAZIONE EMC N° 147E/96.

IN COMPLIANCE WITH 2004/108 CE RULES EMC N° 147E/96 REPORT.

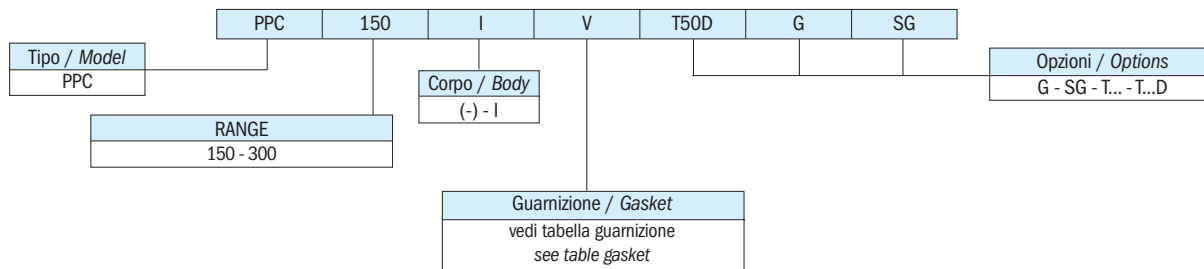
### CARATTERISTICHE GENERALI / GENERAL SPECIFICATIONS

TIPO MODEL	CAMPO DI LAVORO PRESSIONI RELATIVE ADJUSTMENT RELATIVE PRESSURE RANGE bar	DIMENSIONI DIMENSIONS mm				TOLLERANZA DI INTERVENTO A 25°C TOLERANCE AT 25°C bar	MAX. PRESS. STATICA SUPPORTABILE MAX STATIC PRESSURE bar	ESECUZIONE EXECUTION	PESO WEIGHT g
		A	B	C	D				
PMC 2	0,15 - 2	75	10	G 1/8 conico taper	44	± 0,1	30	NBR Membrana Diaphragm	185
PMC 5	0,2 - 5					± 0,1	60		
PMC10	0,5 - 10					± 0,2	100		
PMC25	10 - 25					± 0,5	100		
PMC80	25 - 80					± 1,0	150		



Tensione massima	250 Vca	Maximum voltage	250 Vac
Tensione di lavoro	220 Vca	Working voltage	220 Vac
Intensità di corrente	3A (resistivi) 2A (induttivi)	Current	3A (resistive) 2A (inductive)
Contatti elettrici	SPDT	C/O contact	SPDT
Temperatura di lavoro	-5°C...+80°C	Temperature range	-5°C to +80°C
N° cicli max a pistone	60/1'	Max cycle rate - piston type	60/min.
Differenziale fisso	≤ 30% del valore di taratura	Fixed hysteresis	≤ 30% of set-point
Protezione	IP65 - DIN 40050	Protection	IP65 - DIN 40050
Connettore	PG09 - DIN 43650	PG09 connector	DIN 43650
Membrana	NBR	Diaphragm	NBR
Corpo	Alluminio anodizzato	Body	Anodized aluminium
Materiale flangia	Acciaio AVP	Flange material	AVP steel

### SIGLA DI ORDINAZIONE / HOW TO ORDER



### SPIEGAZIONE DELLE SIGLE DI ORDINAZIONE / ORDERING INFORMATION

Guarnizioni disponibili		Gaskets	
-	NBR (standard) -5°C...+90°C	-	NBR (standard) -5°C to +90°C
NT	HNBR -25°C...+140°C	NT	HNBR -25°C to +140°C
V	FKM -5°C...+90°C	V	FKM -5°C to +90°C
S	Silicone -30°C...+120°C	S	Silicon -30°C +120°C
Esecuzioni speciali		Options	
G	Contatti dorati per bassa corrente	G	Gold-plated contacts for low current
T...	Taratura in salita al valore richiesto	T...	Set-point adjustment rising at the required value
T...D	Taratura in discesa al valore richiesto	T...D	Set-point adjustment falling at the required value
I	Corpo in AISI 303	I	AISI 303 stainless steel
10A	Microinterruttore da 10 A	10A	Microswitch for 10 A
L24	Con lampada 24 V	L24	Connector with LED 24 V
L110	Con lampada 110 V	L110	Connector with LED 110 V
L220	Con lampada 220 V	L220	Connector with LED 220 V
SG	Sgrassati per ossigeno	SG	Degreased for applications with oxygen

IN CONFORMITÀ ALLE NORME 2004/108 CE RELAZIONE EMC N° 147E/96.

IN COMPLIANCE WITH 2004/108 CE RULES EMC N° 147E/96 REPORT.

### CARATTERISTICHE GENERALI / GENERAL SPECIFICATIONS

TIPO MODEL	CAMPO DI LAVORO PRESSIONI RELATIVE ADJUSTMENT RELATIVE PRESSURE RANGE  bar	DIMENSIONI DIMENSIONS  mm				TOLLERANZA DI INTERVENTO A 25°C TOLERANCE AT 25°C  bar	MAX. PRESS. STATICA SUPPORTABILE MAX STATIC PRESSURE  bar	ESECUZIONE EXECUTION	PESO WEIGHT  g
		A	B	C	D				
PPC150	30-150	78	12	G 1/4 conico taper	46	± 7,0	600	Pistone Piston	207
PPC300	150-300								



## PRESSOSTATI / PRESSURE SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
<b>Pagina / Page</b>	3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Pressostato / Pressure switch	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vuotostato / Vacuum switch														
Contatto NA / NO Contact	●	●	●										●	
Contatto NC / NC Contact	●	●	●											
Contatto SPDT / SPDT Contact				●	●	●	●	●	●	●	●	●		●
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●	●			●		●	●	●
Esecuzione a pistone / Piston execution		●	●		●			●	●		●	●		
Regolabile / Adjustable	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●	●	●		●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable hysteresis						●								
<b>Dati elettrici / Electrical data</b>														
Massimo 48V / Max. 48V	●	●	●											
Massimo 250V / Max. 250V				●	●	●	●	●	●	●	●	●	●	●
10 mA		●	●	●	●	●								
0,4 Ampere														
1 Ampere														
0,3 Ampere	●													
0,5 Ampere		●	●										●	
3 Ampere							●	●	●	●	●	●		
6 Ampere				●	●	●								
7 Ampere														●
Contatti argentati / Silver plated contacts	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●		
<b>Pressione di lavoro / Working pressure</b>														
0,1 / 1 bar		●	●											
0,15 / 2 bar		●	●				●						●	
0,2 / 2 bar	●			●		●								
0,2 / 5 bar							●							
0,5 / 3 bar							●			●				●
0,5 / 10 bar							●					●		
1 / 10 bar				●		●						●		
2 / 10 bar	●	●	●											●
2 / 12 bar		●	●											●
10 / 20 bar		●	●											●
10 / 22 bar														●
10 / 25 bar							●							
10 / 50 bar				●		●								
10 / 100 bar				●		●				●		●		
20 / 50 bar		●	●											
20 / 52 bar														●
25 / 80 bar							●							●
30 / 150 bar					●			●	●		●			●
50 / 80 bar		●	●											●
50 / 150 bar		●	●											
50 / 300 bar		●	●		●									
100 / 250 bar		●	●											
150 / 300 bar								●	●					
150 / 350 bar											●			
100 / 360 bar												●		
<b>Pressione statica max. / Max. Static Pressure</b>														
20 bar														
30 bar	●													●
60 bar							●							
80 bar		●	●	●	●	●								
100 bar							●							
150 bar		●	●	●	●	●	●							
250 bar														
300 bar		●	●	●	●	●				●		●		●
400 bar		●	●	●	●	●								
600 bar		●	●	●	●	●		●	●	●	●	●		
<b>Materiale corpo / Body material</b>														
Alluminio anodizzato / Anodized aluminium							●	●	●	●	●	●		
Ottone / Brass	●	●	●	●	●	●							●	●
Acciaio zincato / Zinc plated steel		●	●				●	●	●	●	●			
Inox AISI 316 / Stainless steel 316		●	●	●	●	●								●
<b>Connessione elettrica / Electric connection</b>														
Fast-on / Push-on terminals	●	●		●	●									●
Morsetto a vite / Screw terminals			●										●	
Connettore DIN 43650 / DIN connector 43650						●	●	●	●	●	●	●		●
<b>Protezione elettrica / Electric protection</b>														
IP 00	●													●
IP 54		●		●	●									●
IP 65			●	●	●	●	●	●	●	●	●	●	●	●
IP 67		●		●	●									●
<b>Omologazioni / Certification</b>														
ATEX / ATEX						●	●	●	●	●	●	●		
R.I.N.A. / R.I.N.A.						●	●	●	●	●	●	●		
LLOYD'S / LLOYD'S						●	●	●	●	●	●	●		
IMQ / IMQ						●								











## VUOTOSTATI / VACUUM SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	VCN	VCM	VS	VSM	VMC	VC1A30
<b>Pagina / Page</b>	20	21	22	23	24	25
Pressostato / Pressure switch						
Vuotostato / Vacuum switch	●	●	●	●	●	●
Contatto NA / NO Contact	●	●				●
Contatto NC / NC Contact	●	●				
Contatto SPDT / SPDT Contact			●	●	●	
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●
Esecuzione a pistone / Pistone execution						
Regolabile / Adjustable	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●		●	●
Isteresi regolabile / Adjustable hysteresis				●		
<b>Dati elettrici / Electrical data</b>						
Massimo 48V / Max. 48V	●	●				
Massimo 250V / Max. 250V			●	●	●	●
10 mA	●	●	●	●		
0,4 Ampere						
1 Ampere						
0,3 Ampere						
0,5 Ampere	●	●				●
3 Ampere					●	
6 Ampere			●	●		
Contatti argentati / Silver plated contacts	●	●	●	●	●	●
Contatti dorati / Gold plated contacts	●	●	●	●		
<b>Campo di lavoro / Working range</b>						
-150 / -700 mbar						●
-200 / -900 mbar	●	●				
-200 / -500 mbar			●	●	●	
-500 / -900 mbar			●	●	●	
<b>Pressione statica max. / Max. Static Pressure</b>						
20 bar	●	●	●	●	●	●
<b>Materiale corpo / Body material</b>						
Alluminio anodizzato / Anodized aluminium					●	
Ottone / Brass						●
Acciaio zincato / Zinc plated steel	●	●	●	●	●	
Inox AISI 303 / Stainless steel 303	●	●	●	●		
Inox AISI 316 / Stainless steel 316	●	●	●	●		
<b>Connessione elettrica / Electric connection</b>						
Fast-on / Push-on terminals	●		●			
Morsetto a vite / Screw terminals		●				●
Connettore DIN 43650 / DIN connector 43650				●	●	
<b>Protezione elettrica / Electric protection</b>						
IP 00						
IP 54	●		●			
IP 65		●	●	●	●	●
IP 67	●		●			
<b>Omologazioni / Certification</b>						
ATEX / ATEX				●	●	
R.I.N.A. / R.I.N.A.				●	●	
LLOYD'S / LLOYD'S				●	●	
IMQ / IMQ				●		

## PRESSOSTATI / PRESSURE SWITCHES

### PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS










		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Pagina /Page		3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Protezione IP 54 / IP 54 electric protection	CAP 1 		●	●											
	CAP 10 		●	●											
	CAP 16 				●	●									●
Protezione IP 65 / IP 65 electric protection	CAP 2 													●	
	CAP 3 			●											
	CAP 13 				●	●									
	Connettore Din 40050 / Din 40050 Connector 						●	●	●	●	●	●	●		●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 		●		●	●									
	Connettore M12 / M12 Connector 				●	●									●
	Deutsch 														●

### DATI TECNICI / TECHNICAL DATA

		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	110 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	220 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	250 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	●	●	●	●	●	●	●		
	0,3 A	●													
	0,4 A														
	0,5 A		●	●										●	
	1 A														
	3 A							●	●	●	●	●	●		
	6 A				●	●	●								
	7 A														●
Contatti argentati / Silver plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							●								
Corpo CH. 24 / Body 24 AF		●	●	●	●	●					●	●		●	●
Corpo CH. 27 / Body 27 AF							●								

## VUOTOSTATI / VACUUM SWITCHES

### PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS

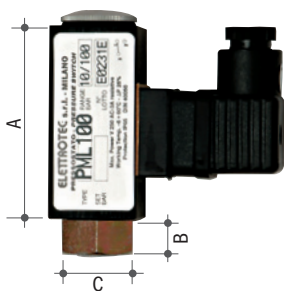
		VCN	VCM	VS	VSM	VMC	VC1A30
Pagina /Page		20	21	22	23	24	25
Protezione IP 54 / IP 54 electric protection	CAP 1 	●					
	CAP 10 	●					
	CAP 16 			●			
Protezione IP 65 / IP 65 electric protection	CAP 2 						●
	CAP 3 		●				
	CAP 13 			●			
	Connettore Din 40050 / Din 40050 Connector 					●	●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 			●			
	Connettore M12 / M12 Connector 			●			

### DATI TECNICI / TECHNICAL DATA

		VCN	VCM	VS	VSM	VMC	VC1A30
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●
	110 Vca/cc			●	●	●	●
	220 Vca/cc			●	●	●	●
	250 Vca/cc			●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	
	0,3 A						
	0,4 A						
	0,5 A	●	●				●
	1 A						
	3 A					●	
	6 A						
Contatti argentati / Silver plated contacts		●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							
Corpo CH. 24 / Body 24 AF		●	●	●	●		●
Corpo CH.27 / Body 27 AF							

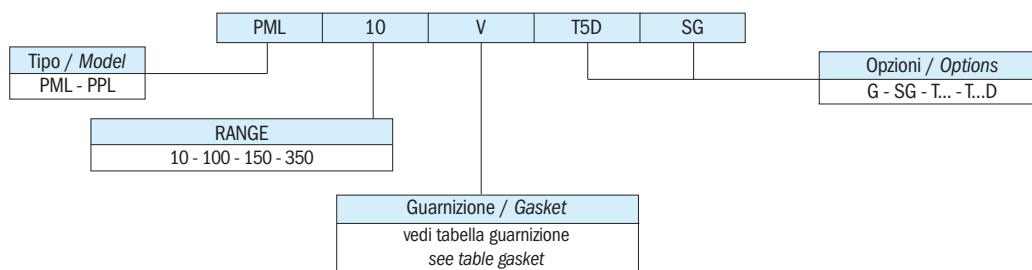
# PML-PPL PRESSOSTATI REGOLABILI

## Adjustable pressure switches



Tensione massima	250 Vca	Max voltage	250 Vac
Tensione di lavoro	220 Vca	Working voltage	220 Vac
Intensità di corrente	3A (resistivi) 2A (induttivi)	Current	3A (resistive) 2A (inductive)
Contatti elettrici in scambio	SPDT	C/O contact	SPDT
Temperatura di lavoro	-5°C...+80°C	Temperature range	-5°C to +80°C
N° cicli max	100/1' (membrana)	Max. cycle rate	100/min. (diaphragm type)
N° cicli max	60/1' (pistone)	Max. cycle rate	60/min. (piston type)
Vita meccanica	10 <sup>6</sup> interventi	Mechanical life	10 <sup>6</sup> operations
Protezione	IP 65 DIN 40050 vedi pagina 2	Protection	IP 65 DIN 40050 see page 2
Differenziale fisso	≤ 30% del valore di taratura	Fixed hysteresis	≤ 30% of set-point value
Connettore	PG09 - DIN 40050	PG09 connector	DIN 40050
Membrana	NBR	Diaphragm	NBR
Corpo	Alluminio anodizzato	Body	Anodized aluminium
Materiale flangia	Acciaio AVP	Flange material	AVP steel

### SIGLA DI ORDINAZIONE / HOW TO ORDER



### SPIEGAZIONE DELLE SIGLE DI ORDINAZIONE / ORDERING INFORMATION

Membrane/ Guarnizioni disponibili	-	NBR (standard)	-5°C...+90°C
	NT	HNBR	-25°C...+140°C
	V	FKM	-5°C...+90°C
	S	Silicone	-30°C...+120°C
Esecuzioni speciali	G	Contatti dorati per bassa corrente	
	T...	Taratura in salita al valore richiesto	
	T...D	Taratura in discesa al valore richiesto	
	L24	Con lampada 24 V	
	L110	Con lampada 110 V	
	L220	Con lampada 220 V	
	SG	Sgrassati per ossigeno	

Diaphragm / Gaskets	-	NBR (standard)	-5°C to +90°C
	NT	HNBR	-25°C to +140°C
	V	FKM	-5°C to +90°C
	S	Silicon	-30°C to +120°C
Options	G	Gold-plated contacts for low current	
	T...	Set-point adjustment rising at the required value	
	T...D	Set-point adjustment falling at the required value	
	L24	Connector with LED 24 V	
	L110	Connector with LED 110 V	
	L220	Connector with LED 220 V	
	SG	Degreased for applications with oxygen	

IN CONFORMITÀ ALLE NORME 2004/108 CE RELAZIONE EMC N° 147E/96.

IN COMPLIANCE WITH 2004/108 CE RULES EMC N° 147E/96 REPORT.

### CARATTERISTICHE GENERALI / GENERAL SPECIFICATIONS

TIPO MODEL	CAMPO DI LAVORO PRESSIONI RELATIVE ADJUSTMENT RELATIVE PRESSURE RANGE bar	DIMENSIONI DIMENSIONS mm			TOLLERANZA D'INTERVENTO A 25°C TOLERANCE AT 25°C bar	MAX PRESS. STATICA SUPPORTABILE MAX STATIC PRESSURE bar	ESECUZIONE EXECUTION	PESO WEIGHT g
		A	B	C				
PML10	0,5 - 10	70	12	G 1/4 femmina female	± 0,2	300	NBR Membrana Diaphragm	285
PML100	10 - 100	70	12	G 1/4 femmina female	± 1	300		
PPL150	30 - 150	70	15	G 1/4 femmina female	± 7	600	Pistone Piston	335
PPL350	150 - 350	70	25	G 1/4 femmina female	± 7	600		



## PRESSOSTATI / PRESSURE SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
<b>Pagina / Page</b>	3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Pressostato / Pressure switch	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vuotostato / Vacuum switch														
Contatto NA / NO Contact	●	●	●										●	
Contatto NC / NC Contact	●	●	●											
Contatto SPDT / SPDT Contact				●	●	●	●	●	●	●	●	●		●
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●	●			●		●	●	●
Esecuzione a pistone / Piston execution		●	●		●			●	●		●	●		
Regolabile / Adjustable	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●	●	●		●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable hysteresis						●								
<b>Dati elettrici / Electrical data</b>														
Massimo 48V / Max. 48V	●	●	●											
Massimo 250V / Max. 250V				●	●	●	●	●	●	●	●	●	●	●
10 mA		●	●	●	●	●								
0,4 Ampere														
1 Ampere														
0,3 Ampere	●													
0,5 Ampere		●	●										●	
3 Ampere							●	●	●	●	●	●		
6 Ampere				●	●	●								
7 Ampere														●
Contatti argentati / Silver plated contacts	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●		
<b>Pressione di lavoro / Working pressure</b>														
0,1 / 1 bar		●	●											
0,15 / 2 bar		●	●				●						●	
0,2 / 2 bar	●			●		●								
0,2 / 5 bar							●							
0,5 / 3 bar							●							●
0,5 / 10 bar							●			●				
1 / 10 bar				●		●						●		
2 / 10 bar	●	●	●											●
2 / 12 bar														●
10 / 20 bar		●	●											●
10 / 22 bar														●
10 / 25 bar							●							
10 / 50 bar				●		●								
10 / 100 bar				●		●				●		●		
20 / 50 bar		●	●											
20 / 52 bar														●
25 / 80 bar							●							●
30 / 150 bar					●			●	●		●			●
50 / 80 bar		●	●											●
50 / 150 bar		●	●											
50 / 300 bar		●	●		●									
100 / 250 bar		●	●											
150 / 300 bar								●	●					
150 / 350 bar											●			
100 / 360 bar												●		
<b>Pressione statica max. / Max. Static Pressure</b>														
20 bar														
30 bar	●													
60 bar							●							
80 bar		●	●	●	●	●								
100 bar							●							
150 bar		●	●	●	●	●	●							
250 bar														
300 bar		●	●	●	●	●				●		●		●
400 bar		●	●	●	●	●								
600 bar		●	●	●	●	●		●	●	●	●	●		
<b>Materiale corpo / Body material</b>														
Alluminio anodizzato / Anodized aluminium							●	●	●	●	●	●		
Ottone / Brass	●	●	●	●	●	●							●	●
Acciaio zincato / Zinc plated steel		●	●				●	●	●	●	●			
Inox AISI 316 / Stainless steel 316		●	●	●	●	●								●
<b>Connessione elettrica / Electric connection</b>														
Fast-on / Push-on terminals	●	●		●	●									●
Morsetto a vite / Screw terminals			●										●	
Connettore DIN 43650 / DIN connector 43650						●	●	●	●	●	●	●		●
<b>Protezione elettrica / Electric protection</b>														
IP 00	●													●
IP 54		●		●	●									●
IP 65			●	●	●	●	●	●	●	●	●	●	●	●
IP 67		●		●	●									●
<b>Omologazioni / Certification</b>														
ATEX / ATEX						●	●	●	●	●	●	●		
R.I.N.A. / R.I.N.A.						●	●	●	●	●	●	●		
LLOYD'S / LLOYD'S						●	●	●	●	●	●	●		
IMQ / IMQ						●								











## VUOTOSTATI / VACUUM SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	VCN	VCM	VS	VSM	VMC	VC1A30
<b>Pagina / Page</b>	20	21	22	23	24	25
Pressostato / Pressure switch						
Vuotostato / Vacuum switch	●	●	●	●	●	●
Contatto NA / NO Contact	●	●				●
Contatto NC / NC Contact	●	●				
Contatto SPDT / SPDT Contact			●	●	●	
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●
Esecuzione a pistone / Pistone execution						
Regolabile / Adjustable	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●		●	●
Isteresi regolabile / Adjustable hysteresis				●		
<b>Dati elettrici / Electrical data</b>						
Massimo 48V / Max. 48V	●	●				
Massimo 250V / Max. 250V			●	●	●	●
10 mA	●	●	●	●		
0,4 Ampere						
1 Ampere						
0,3 Ampere						
0,5 Ampere	●	●				●
3 Ampere					●	
6 Ampere			●	●		
Contatti argentati / Silver plated contacts	●	●	●	●	●	●
Contatti dorati / Gold plated contacts	●	●	●	●		
<b>Campo di lavoro / Working range</b>						
-150 / -700 mbar						●
-200 / -900 mbar	●	●				
-200 / -500 mbar			●	●	●	
-500 / -900 mbar			●	●	●	
<b>Pressione statica max. / Max. Static Pressure</b>						
20 bar	●	●	●	●	●	●
<b>Materiale corpo / Body material</b>						
Alluminio anodizzato / Anodized aluminium					●	
Ottone / Brass						●
Acciaio zincato / Zinc plated steel	●	●	●	●	●	
Inox AISI 303 / Stainless steel 303	●	●	●	●		
Inox AISI 316 / Stainless steel 316	●	●	●	●		
<b>Connessione elettrica / Electric connection</b>						
Fast-on / Push-on terminals	●		●			
Morsetto a vite / Screw terminals		●				●
Connettore DIN 43650 / DIN connector 43650				●	●	
<b>Protezione elettrica / Electric protection</b>						
IP 00						
IP 54	●		●			
IP 65		●	●	●	●	●
IP 67	●		●			
<b>Omologazioni / Certification</b>						
ATEX / ATEX				●	●	
R.I.N.A. / R.I.N.A.				●	●	
LLOYD'S / LLOYD'S				●	●	
IMQ / IMQ				●		

**PRESSOSTATI / PRESSURE SWITCHES**

**PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS**










		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Pagina /Page		3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Protezione IP 54 / IP 54 electric protection	CAP 1 		●	●											
	CAP 10 		●	●											
	CAP 16 				●	●									●
Protezione IP 65 / IP 65 electric protection	CAP 2 													●	
	CAP 3 			●											
	CAP 13 				●	●									
	Connettore Din 40050 / Din 40050 Connector 							●	●	●	●	●	●	●	●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 		●		●	●									
	Connettore M12 / M12 Connector 				●	●									●
	Deutsch 														●

**DATI TECNICI / TECHNICAL DATA**

		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	110 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	220 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	250 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	●	●	●	●	●	●	●		
	0,3 A	●													
	0,4 A														
	0,5 A		●	●										●	
	1 A														
	3 A							●	●	●	●	●	●		
	6 A				●	●	●								
	7 A														●
Contatti argentati / Silver plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							●								
Corpo CH. 24 / Body 24 AF		●	●	●	●	●					●	●		●	●
Corpo CH. 27 / Body 27 AF							●								

**VUOTOSTATI / VACUUM SWITCHES**

**PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS**

		VCN	VCM	VS	VSM	VMC	VC1A30
Pagina /Page		20	21	22	23	24	25
Protezione IP 54 / IP 54 electric protection	CAP 1 	●					
	CAP 10 	●					
	CAP 16 			●			
Protezione IP 65 / IP 65 electric protection	CAP 2 						●
	CAP 3 		●				
	CAP 13 			●			
	Connettore Din 40050 / Din 40050 Connector 					●	●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 			●			
	Connettore M12 / M12 Connector 			●			

**DATI TECNICI / TECHNICAL DATA**

		VCN	VCM	VS	VSM	VMC	VC1A30
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●
	110 Vca/cc			●	●	●	●
	220 Vca/cc			●	●	●	●
	250 Vca/cc			●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	
	0,3 A						
	0,4 A						
	0,5 A	●	●				●
	1 A						
	3 A					●	
	6 A						
Contatti argentati / Silver plated contacts		●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							
Corpo CH. 24 / Body 24 AF		●	●	●	●		●
Corpo CH.27 / Body 27 AF							



Tensione massima	250 Vca	Max. voltage	250 Vac
Intensità di corrente	6 (2) A	Current	6 (2) A
Contatti elettrici in scambio	SPDT	C/O contacts	SPDT
Differenziale regolabile	10% ± 30% del valore di taratura	Adjustable hysteresis	10% - 30% of set-point
Campo di temperatura	-30°C...+140°C (in funzione della membrana/guarnizione)	Temperature range	-30°C to +140°C (according to diaphragm/gasket material)
Num. max. interventi a 25°C	120/1' (membrana)	Max. cycle rate at 25°C	120/min. (diaphragm type)
Num. max. interventi a 25°C	60/1' (pistone)	Max. cycle rate at 25°C	60/min. (piston type)
Protezione	IP 65 DIN 40050 vedi pagina 2	Protection	IP 65 DIN 40050 see page 2
Connettore PG09 o PG11	DIN 43650	PG09 or PG11 connector	DIN 43650
Vita meccanica	10 <sup>6</sup> cicli	Mechanical life	10 <sup>6</sup> operations
Coppia di serraggio max.	5 Kg.m.	Tightening torque max.	5 Kg.m.

### SIGLA DI ORDINAZIONE / HOW TO ORDER

PSM	10	W	V	R18	11	T5D	Opzioni / Options G - SG - T... - T...D - T...F - TG
Tipo / Model PSM - PSP	RANGE 2 - 10 - 50 - 100 - 150 - 300	Corpo / Body (-) - B - W	Membrana / Diaphragm vedi tabella membrana / guarnizione see table diaphragm / gasket	"C" R18 R14 M10x1 M12x1,5 18NPT	Filettatura / Thread G1/8 cilindrico/parallel G1/4 cilindrico/parallel M10x1 cilindrico/parallel M12x1,5 cilindrico/parallel G1/8 conico/taper	"B" 10 12 10 12 10	Pressocavo / Cable clamp (-) - 11

### SPIEGAZIONE DELLE SIGLE DI ORDINAZIONE / ORDERING INFORMATION

PSM...	Pressostato con contatti SPDT a membrana	PSP...	Diaphragm pressure switch with SPDT contacts
PSP...	Pressostato con contatti SPDT a pistone	PSP...	Piston pressure switch with SPDT contacts
Materiale corpo Ch27 (vedi caratteristiche generali)	B Esecuzione standard in ottone (PSM2 - PSM10) - Esecuzione standard in ottone (PSM50 - PSM100) W Esecuzione in acciaio inox AISI316 (PSP150 - PSP300)	27AF body material	- Standard execution brass (PSM2 - PSM10) B Standard execution brass (PSM50 - PSM100) W AISI316 Standard execution steel (PSP150 - PSP300)
Membrane/Guarnizioni disponibili	- NBR (standard) (-5°C...+90°C) NT HNBR (-25°C...+140°C) V FKM (-5°C...+90°C) S Silicone (-30°C...+120°C) C Neoprene (-10°C...+90°C) E EPDM (-20°C...+110°C) MI Acc. Inox (-30°C...+140°C) (solo PSM2 e PSM10)	Diaphragm/Gasket	- NBR (standard) (-5°C to +90°C) NT HNBR (-25°C to +140°C) V FKM (-5°C to +90°C) S Silicone (-30°C to +120°C) C Neoprene (-10°C to +90°C) E EPDM (-20°C to +110°C) MI Stainless steel (-30°C to +140°C) (only PSM2 and PSM10)
Attacchi filettati "C"	R18 G1/8 cilindrico R14 G1/4 cilindrico M10 M10 x 1 cilindrico M12 M12 x 1.5 cilindrico 18NPT 1/8 NPT	Threads "C"	R18 G1/8 parallel R14 G1/4 parallel M10 M10 x 1 parallel M12 M12 x 1.5 parallel 18NPT 1/8 NPT
Esecuzioni speciali	G Contatti dorati per bassa corrente SG Sgrassati per ossigeno T... Taratura in salita (es. T2 taratura a 2 bar) T...D Taratura in discesa (es. T2D taratura in discesa a 2 bar) T...F Taratura del pressostato e del differenziale se >10% max. 30% valore taratura (es. T40 F10 taratura in salita a 40bar con differenziale di 10 bar) TARATURA IN ELETTROTEC TG Testati per utilizzo con gas	Options	G Gold-plated contacts for low current SG Degreased for applications with oxygen T... Set-point adjustment rising at the required value (ex. T2 pressure set rising at 2 bar) T...D Set-point adjustment falling at the required value (ex. T2D pressure set falling at 2 bar) 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 TG Tested for applications with gas

IN CONFORMITÀ ALLE NORME 2004/108 CE RELAZIONE EMC N° 147E/96.

IN COMPLIANCE WITH 2004/108 CE RULES EMC N° 147E/96 REPORT.

### CARATTERISTICHE GENERALI / GENERAL SPECIFICATIONS

TIPO MODEL	CAMPO DI LAVORO PRESSIONI RELATIVE ADJUSTMENT RELATIVE PRESSURE RANGE bar	DIMENSIONI "A" DIMENSIONS "A" mm	MAX. PRESSIONE STATICA SUPPORTABILE bar MAX. STATIC PRESSURE bar		TOLLERANZA D'INTERVENTO A 25 °C TOLERANCE AT 25 °C bar	ESECUZIONE EXECUTION	PESO WEIGHT g
			ESEC. CORPO OTTONE BRASS EXECUTION	ESEC. CORPO ACCIAIO INOX AISI 316 AISI 316 STAINLESS STEEL EXECUTION			
PSM 2	0,2 - 2	73	300	300	± 0,2	Membrana Diaphragm	100
PSM 10	1 - 10	73	300	300	± 0,4		100
PSM 50	10 - 50	73	300	300	± 2		100
PSM 100	10 - 100	73	300	300	± 3		100
PSP 150	30 - 150	73		600	± 5	Pistone Piston	100
PSP 300	50 - 300	73		600	± 15		100

## PRESSOSTATI / PRESSURE SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
<b>Pagina / Page</b>	3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Pressostato / Pressure switch	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vuotostato / Vacuum switch														
Contatto NA / NO Contact	●	●	●										●	
Contatto NC / NC Contact	●	●	●											
Contatto SPDT / SPDT Contact				●	●	●	●	●	●	●	●	●		●
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●	●			●		●	●	●
Esecuzione a pistone / Piston execution		●	●		●			●	●		●	●		
Regolabile / Adjustable	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●	●	●		●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable hysteresis						●								
<b>Dati elettrici / Electrical data</b>														
Massimo 48V / Max. 48V	●	●	●											
Massimo 250V / Max. 250V				●	●	●	●	●	●	●	●	●	●	●
10 mA		●	●	●	●	●								
0,4 Ampere														
1 Ampere														
0,3 Ampere	●													
0,5 Ampere		●	●										●	
3 Ampere							●	●	●	●	●	●		
6 Ampere				●	●	●								
7 Ampere														●
Contatti argentati / Silver plated contacts	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●		
<b>Pressione di lavoro / Working pressure</b>														
0,1 / 1 bar		●	●											
0,15 / 2 bar		●	●				●						●	
0,2 / 2 bar	●			●		●								
0,2 / 5 bar							●							
0,5 / 3 bar							●							●
0,5 / 10 bar							●			●				
1 / 10 bar				●		●						●		
2 / 10 bar	●	●	●											●
2 / 12 bar														●
10 / 20 bar		●	●											●
10 / 22 bar														●
10 / 25 bar							●							
10 / 50 bar				●		●								
10 / 100 bar				●		●				●		●		
20 / 50 bar		●	●											
20 / 52 bar														●
25 / 80 bar							●							●
30 / 150 bar					●			●	●		●			●
50 / 80 bar		●	●											●
50 / 150 bar		●	●											
50 / 300 bar		●	●		●									
100 / 250 bar		●	●											
150 / 300 bar								●	●					
150 / 350 bar											●			
100 / 360 bar												●		
<b>Pressione statica max. / Max. Static Pressure</b>														
20 bar														
30 bar	●													
60 bar							●							
80 bar		●	●	●	●	●								
100 bar							●							
150 bar		●	●	●	●	●	●							
250 bar														
300 bar		●	●	●	●	●				●		●		●
400 bar		●	●	●	●	●								
600 bar		●	●	●	●	●			●	●	●	●		
<b>Materiale corpo / Body material</b>														
Alluminio anodizzato / Anodized aluminium							●	●	●	●	●	●		
Ottone / Brass	●	●	●	●	●	●							●	●
Acciaio zincato / Zinc plated steel		●	●				●	●	●	●	●			
Inox AISI 316 / Stainless steel 316		●	●	●	●	●								●
<b>Connessione elettrica / Electric connection</b>														
Fast-on / Push-on terminals	●	●		●	●									●
Morsetto a vite / Screw terminals			●										●	
Connettore DIN 43650 / DIN connector 43650						●	●	●	●	●	●	●		●
<b>Protezione elettrica / Electric protection</b>														
IP 00	●													●
IP 54		●		●	●									●
IP 65			●	●	●	●	●	●	●	●	●	●	●	●
IP 67		●		●	●									●
<b>Omologazioni / Certification</b>														
ATEX / ATEX						●	●	●	●	●	●			
R.I.N.A. / R.I.N.A.						●	●	●	●	●	●	●		
LLOYD'S / LLOYD'S						●	●	●	●	●	●	●		
IMQ / IMQ						●								











## VUOTOSTATI / VACUUM SWITCHES

### MATRICE PRODOTTI / SELECTION MATRIX

	VCN	VCM	VS	VSM	VMC	VC1A30
<b>Pagina / Page</b>	20	21	22	23	24	25
Pressostato / Pressure switch						
Vuotostato / Vacuum switch	●	●	●	●	●	●
Contatto NA / NO Contact	●	●				●
Contatto NC / NC Contact	●	●				
Contatto SPDT / SPDT Contact			●	●	●	
Esecuzione a membrana / Membrane execution	●	●	●	●	●	●
Esecuzione a pistone / Pistone execution						
Regolabile / Adjustable	●	●	●	●	●	●
Isteresi fissa / Fixed hysteresis	●	●	●		●	●
Isteresi regolabile / Adjustable hysteresis				●		
<b>Dati elettrici / Electrical data</b>						
Massimo 48V / Max. 48V	●	●				
Massimo 250V / Max. 250V			●	●	●	●
10 mA	●	●	●	●		
0,4 Ampere						
1 Ampere						
0,3 Ampere						
0,5 Ampere	●	●				●
3 Ampere					●	
6 Ampere			●	●		
Contatti argentati / Silver plated contacts	●	●	●	●	●	●
Contatti dorati / Gold plated contacts	●	●	●	●		
<b>Campo di lavoro / Working range</b>						
-150 / -700 mbar						●
-200 / -900 mbar	●	●				
-200 / -500 mbar			●	●	●	
-500 / -900 mbar			●	●	●	
<b>Pressione statica max. / Max. Static Pressure</b>						
20 bar	●	●	●	●	●	●
<b>Materiale corpo / Body material</b>						
Alluminio anodizzato / Anodized aluminium					●	
Ottone / Brass						●
Acciaio zincato / Zinc plated steel	●	●	●	●	●	
Inox AISI 303 / Stainless steel 303	●	●	●	●		
Inox AISI 316 / Stainless steel 316	●	●	●	●		
<b>Connessione elettrica / Electric connection</b>						
Fast-on / Push-on terminals	●		●			
Morsetto a vite / Screw terminals		●				●
Connettore DIN 43650 / DIN connector 43650				●	●	
<b>Protezione elettrica / Electric protection</b>						
IP 00						
IP 54	●		●			
IP 65		●	●	●	●	●
IP 67	●		●			
<b>Omologazioni / Certification</b>						
ATEX / ATEX				●	●	
R.I.N.A. / R.I.N.A.				●	●	
LLOYD'S / LLOYD'S				●	●	
IMQ / IMQ				●		

**PRESSOSTATI / PRESSURE SWITCHES**

**PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS**










		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Pagina /Page		3	4	5	6	6	7...11	12	13	14	16	16	17	18	19
Protezione IP 54 / IP 54 electric protection	CAP 1 		●	●											
	CAP 10 		●	●											
	CAP 16 				●	●									●
Protezione IP 65 / IP 65 electric protection	CAP 2 													●	
	CAP 3 			●											
	CAP 13 				●	●									
	Connettore Din 40050 / Din 40050 Connector 							●	●	●	●	●	●		●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 		●		●	●									
	Connettore M12 / M12 Connector 				●	●									●
	Deutsch 														●

**DATI TECNICI / TECHNICAL DATA**

		PFM	PMN	PMM	MS	PS	PSM PSP	PMC	PPC	PPCF	PML	PPL	PSK	PT2A30	MPS
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	110 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	220 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
	250 Vca/cc				●	●	●	●	●	●	●	●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	●	●	●	●	●	●	●		
	0,3 A	●													
	0,4 A														
	0,5 A		●	●											
	1 A													●	
	3 A							●	●	●	●	●	●		
	6 A				●	●	●								
	7 A														●
Contatti argentati / Silver plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							●								
Corpo CH. 24 / Body 24 AF		●	●	●	●	●					●	●		●	●
Corpo CH. 27 / Body 27 AF							●								

**VUOTOSTATI / VACUUM SWITCHES**

**PROTEZIONI ELETTRICHE / ELECTRIC PROTECTIONS**

		VCN	VCM	VS	VSM	VMC	VC1A30
Pagina /Page		20	21	22	23	24	25
Protezione IP 54 / IP 54 electric protection	CAP 1 	●					
	CAP 10 	●					
	CAP 16 			●			
Protezione IP 65 / IP 65 electric protection	CAP 2 						●
	CAP 3 		●				
	CAP 13 			●			
	Connettore Din 40050 / Din 40050 Connector 					●	●
Protezione IP 67 / IP 67 electric protection	Cap 14 + Cavi + Connettore Cap 14 + Flying Leads + Connector 			●			
	Connettore M12 / M12 Connector 			●			

**DATI TECNICI / TECHNICAL DATA**

		VCN	VCM	VS	VSM	VMC	VC1A30
Tensione di alimentazione / Power supply	12 Vca/cc	●	●	●	●	●	●
	24 Vca/cc	●	●	●	●	●	●
	48 Vca/cc	●	●	●	●	●	●
	110 Vca/cc			●	●	●	●
	220 Vca/cc			●	●	●	●
	250 Vca/cc			●	●	●	●
Corrente massima / Max. current	≤ 30 mA	●	●	●	●	●	
	0,3 A						
	0,4 A						
	0,5 A	●	●				●
	1 A						
	3 A					●	
	6 A						
Contatti argentati / Silver plated contacts		●	●	●	●	●	●
Contatti dorati / Gold plated contacts		●	●	●	●	●	●
Isteresi fissa / Fixed Hysteresis		●	●	●	●	●	●
Isteresi regolabile / Adjustable Hysteresis							
Corpo CH. 24 / Body 24 AF		●	●	●	●		●
Corpo CH.27 / Body 27 AF							