

PE converter

to convert a vacuum signal into an electrical signal with sub-base 1n

Type VPE-1/8

Splashproof design:

Type VPE-1/8-SW



Accessory:

Protective cover Type SPE

Protection against accidentally touching the open electrical connections of Type VPE-1/8.

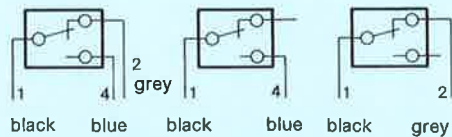
A vacuum signal at the port attracts a diaphragm, which in turn actuates the stem of a microswitch (changeover switch).

Mounting frame 1n for manifold mounting, see sheet 6.430.

Test certifications for VPE-1/8: VDE, SEMKO, ÖVE, SEV, UL, CSA, CEE.

Contact configurations:

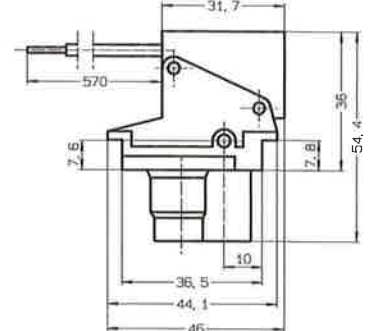
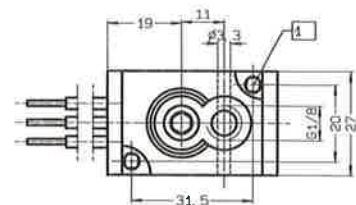
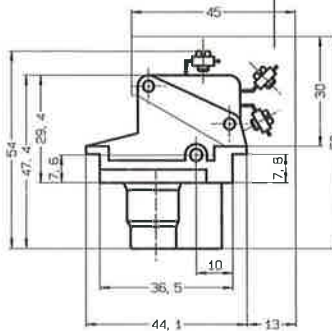
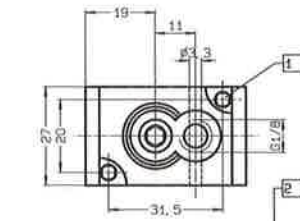
Changeover contacts N/C contacts N/O contacts



Type VPE-1/8



Type VPE-1/8-SW



Accessories for bolt-mounting
Mounting bracket Order code 11 571 NRW-9/1,5-B
Cheese-head bolt M4 x 12 DIN 84
Order code 204 021

- ① For M4 thread
② Protective cover Type SPE

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Permissible electrical load:

Type VPE-1/8						Type VPE-1/8-SW					
DC			AC			DC			AC		
Voltage V =	Resistive load A	Inductive load A	Voltage V _N	Resistive load A	Inductive load A	Voltage V =	Resistive load A	Inductive load A	Voltage V _N	Resistive load A	Inductive load A
12	6	6	250	6	2	15	10	2	125	5	5
24	6	6				30	7	2	250	5	5
60	1	0.5				50	2	1			
110	0.5	0.2				75	1	0.5			
220	0.25	0.1				125	0.5	0.4			
						250	0.25	0.2			

Order code	Part No./Type	12 592 VPE-1/8	12 593 VPE-1/8-SW	6210 SPE
Medium		Vacuum, lubricated or unlubricated		
Design		Diaphragm-actuated electrical microswitch		
Mounting		3 through-holes or mounting frame 1n		
Connection	pneumatic	G 1/8	G 1/8	
	electrical	Screw connector	3 separately-sleeved connectors in moulded cable 0.5 m long	
Pressure range		0 to -0.95 bar		
Switch-on pressure		- 0.25 ± 0.05 bar		
Switch-off pressure		≥ -0.1 bar		
Switching capacity		See table		
Degree of protection to DIN 40050		IP 0 (IP 20 with protective cover)	IP 67	IP 20
Temperature range		- 10 to +60 °C		
Materials		Housing: POM/ABS; diaphragm: NBR		Plastic
Weight		0.027 kg	0.038 kg	0.007 kg