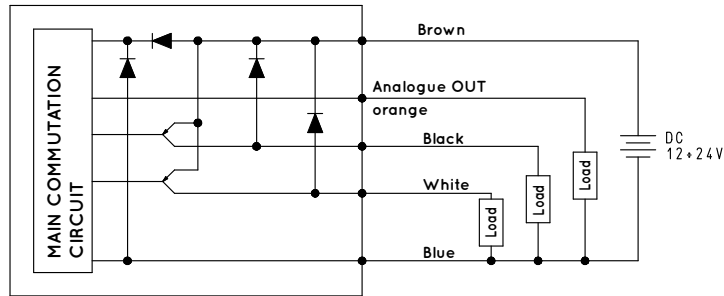




WIRING DIAGRAMS

PNP



Characteristics and electrical specifications	Item 12 40 10 Vacuum switch	Art. 12 40 12 Vacuum switch	Item 12 40 20 Vacuum Switch - Pressure Switch
<b>Adjustment range</b>	from 0 to -1 bar	from 0 a -1 bar	from -1 to 10 bar
<b>Maximum overpressure</b>	3 bar	3 bar	15 bar
<b>Minimum detectable values</b>	1 mbar 0.001 Kgf/cm <sup>2</sup> 0.001 bar 0.01 psi 0.1 inHg	1 mbar 0.001 Kgf/cm <sup>2</sup> 0.001 bar 0.01 psi 0.1 inHg	10 mbar 0.01 Kgf/cm <sup>2</sup> 0.01 bar 0.1 psi -
<b>Operating voltage</b>	12 - 24 VDC ±10% (Protection against polarity inversion)		
<b>Electrical absorption</b>	≤40 mA		
<b>Digital output</b>	2 PNP, maximum commutation current 125 mA		
<b>Analogue output</b>	1 analogue, 4 - 20 mA ±2.5% F.S. 1 ÷ 5 V ±2,5% F.S. for Item 12 40 12		
<b>Display tolerance</b>	≤ ±2% F.S. ±1 digit		
<b>Reaction time</b>	≤ 2.5 ms		
<b>Hysteresis</b>	Adjustable		
<b>Repeatability</b>	±0.2% F.S. ±1 digit of the measuring range		
<b>Display</b>	7 segments, main two-colour (red - green) display, secondary display (orange)		
<b>Insulation resistance</b>	50 MΩ to 500 VDC		
<b>Test voltage</b>	1000 VAC, 1 min		
<b>Degree of protection</b>	IP 40		
<b>Environmental operating conditions</b>			
<b>Installation position</b>	Any		
<b>Measurable fluids</b>	Non-corrosive gas and dry air		
<b>Operating temperature</b>	0 - +50 °C		
<b>Storage temperature</b>	-20 - +60 °C		
<b>Interference emission</b>	In compliance with EN 55011, Group 1, class B		
<b>Resistance to interference</b>	In compliance with EN 61326 – 1		
<b>Characteristics and mechanical specifications</b>			
<b>Container material</b>	ABS plastic - PC		
<b>Connection material</b>	Nickel-plated brass		
<b>Weight</b>	80 g, including electrical cable		
<b>Electrical connection</b>	4-wire 2 m cable		
<b>Connection to the fluid</b>	Male G 1/8" or female M5 threading		
<b>Accessories</b>			
<b>Fixing kit</b>	wall - Item 00 12 40 table - Item 00 12 41 panel - Item 00 12 42 panel + protection - Item 00 12 43		