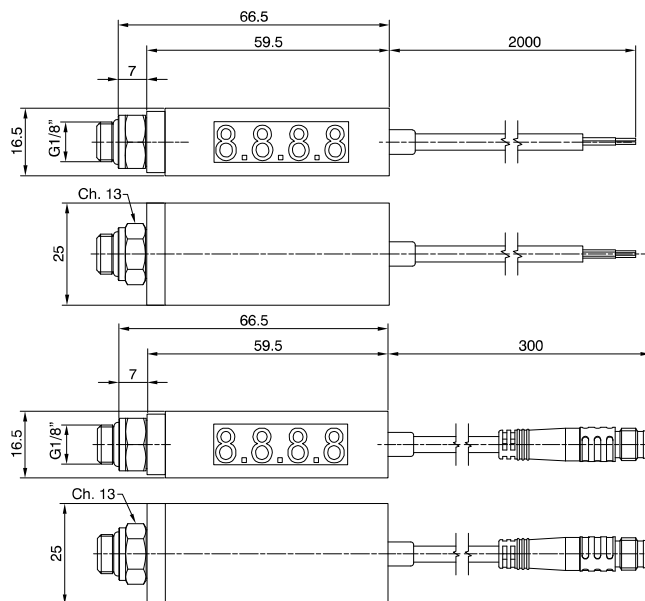




Digital vacuum switch



Ordering code

DS.30.C.C.F8.●.●

CABLE LENGTH

● B=300 mm *

D=2000 mm **

OPTIONS

○ 0= Without connector

● 2= With M8 4 Pin male connector

* only with M8 connector

** only without connector

Technical features

Working pressure range		-100.0 ... 100.0kPa
Regulation pressure range		-100.0 ... 100.0kPa
Maximum supported pressure		300 kPa
Allowed fluids		Air, non-corrosive gases, non-combustible gases
Pressure calibration sensitivity	kPa	0.1
	2 kgf/cm ²	0.001
	bar	0.001
	psi	0.01
	InHg	0.1
	mmHg	1
	mmH ₂ O	0.1
Supply voltage		From 12 to 24 VDC ± 10%
Current consumption		≤ 60mA
Digital output		PNP N.O. 2 outputs Maximum load current: 80mA Maximum supply voltage: 30VDC Voltage drop: ≤1V
Repeatability (Digital output)		± 0.2% Full Scale ± 1 digit
Digital output	Type of hysteresis	Fixed
	Hysteresis	0.003 bar
Response time		≤2,5 ms (anti-interference function: 24ms, 192ms and 768 ms selectable)
Protection from short circuit at output		Present
Display		Display with 3 1/2 digits (sampling 5 times per sec.)
Indicator precision		±2% F. S. ± 1 digit (at ambient temperature of 25°C ±3°C)
Indicator		LED green (output1) LED red (output2)
Ingress protection rating	IP Rating	IP40
	Ambient temperature	Operational: 0 ... 50°C, Storage: -20 ... 60°C (without ice or condensation)
	Ambient humidity	Operational/Storage: 35 ... 85% (without condensation)
	Supported voltage	1000VAC in 1-min. (between body and cable)
	Insulation resistance	50MΩ min. (at 500VDC, between body and cable)
	Vibration	Total amplitude 1.5mm. or 10G, 10Hz-55Hz-10Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z
	Impacts/shocks	980m/s ² (100G), 3 times in each direction of X, Y and Z
Temperature characteristics		±2% Full Scale in a range between 0 ... 50°C
Type of connection		G1/8" (Swivel)
Electrical cable		Oil resistant cable
Weight		Approximately 67 gr. (with 2 metres of cable)

Output circuit wiring scheme

