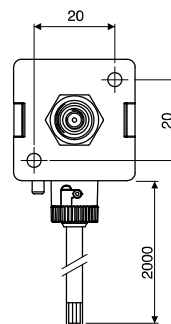
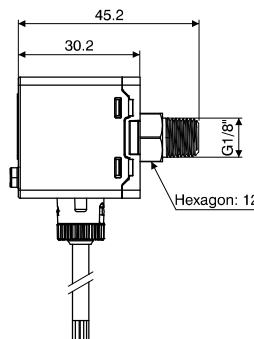
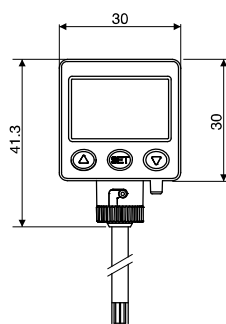




Panel-mounted digital vacuum switch



Ordering code

DS.45.V.U.F3.D.0

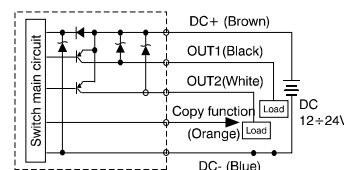
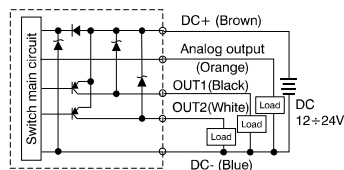
VERSION

- V** C = Vacuum/Pressure (-100 / 100 kPa)
- V** V = Vacuum (0 / -101,3 kPa)
- U** E = 2 PNP outputs + Analog output (4 / 20 mA)
- U** L = 2 PNP outputs + copy function

OUTPUTS

Technical features		DS.45.C.B.C.F3.D.0 (Composite)	DS.45.V.B.E.F3.D.0 (Vacuum)
Working pressure range		-100.0 ... 100.0kPa	0 ... -100.0kPa
Regulation pressure range		-100.0 ... 100.0kPa	0 ... -100.0kPa
Maximum supported pressure		300 kPa	
Allowed fluids		Air, non-corrosive gases, non-combustible gases	
Pressure calibration sensitivity	kPa	0.1	0.001
	2 kgf/cm ²	0.001	0.001
	bar	0.001	0.001
	psi	0.01	0.01
	InHg	0.1	0.1
Supply voltage		From 12 to 24 VDC	
Current consumption		≤40mA (without load)	
Digital output		PNP N.O. 2 outputs Maximum load current: 125mA Maximum supply voltage: 24VDC Voltage drop: ≤1.5V	
Repeatability (Digital output)		± 0.2% Full Scale ± 1 digit	
Digital output	Type of hysteresis	Settable	
	Hysteresis	from 0.001 to 0.008 bar	
Response time		≤2.5 ms (anti-interference function: 25ms, 100ms, 250ms, 500ms, 1000ms and 1500ms selectable)	
Protection from short circuit at output		Present	
Display		Display with 3 1/2 digits (red/green)	
Indicator precision		±2% F. S. ±1 digit	
Indicator		LED orange (output1) LED orange (output2)	
Analog output		Output current: 4 ... 20mA ±2.5% F. S. Linearity: ±1% F. S. Maximum load resistance: 250Ω supply at 12V and 600Ω supply at 24V Minimum load resistance: 50Ω	
Ingress protection rating	IP Rating	IP65	
	Ambient temperature	Operational: 0 ... 50°C, Storage: -10 ... 60°C (without ice or condensation)	
	Ambient humidity	Operation/Storage: 35 ... 85% (without condensation)	
	Supported voltage	1000VAC in 1min. (between body and cable)	
	Insulation resistance	50MΩ (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		100m/s ² (10G), 3 times in each direction of X, Y and Z	
Temperature characteristics		±2.5% Full Scale in a range between 0 ... 50°C	
Type of connection		G1/8" (BSPP), M5 female	
Electrical cable		Oil resistant cable (internal 0.15mm ²)	
Weight		Approximately 86 gr. (with 2 metres of cable)	

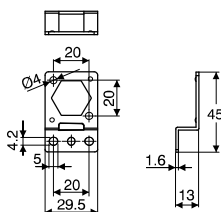
Output circuit wiring scheme



Fastening bracket



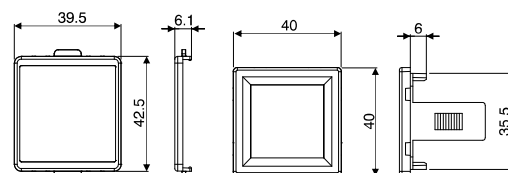
Ordering code
DS.BT10



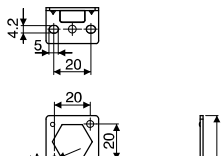
Panel mount adapter



Ordering code
DS.PAE



Fastening bracket



Panel mount adapter with screen protection

