

Vacuum switch - digital / analog with display



Product Description

- > Monitoring of vacuum levels, e.g. in handling systems
- > Optimization of cycle times to improve the economy of vacuum systems
- > Two freely adjustable digital outputs to set lower and upper threshold values
- > 20.035 and 20.036: Additional analog output for continuous monitoring of vacuum level
- > Stable measurement even with short fluctuations of the supply pressure due to anti-chattering function
- > 7-segment 3 digit LED display
- > Integrated reverse voltage protection
- > Compact and lightweight design

Note

Vacuum values can be displayed and adjusted by the customer in following units: kPa, kgf/cm², bar, psi, inHg, mmHg

- > Connector cable 0,3 m with plug included in delivery
- > Connector cable optional
- 20.501: M8, 4-pin, straight, open wires, 5 m; 20.502: M8, 4-pin, 90°, open wires, 5 m
- 20.508: M12, 5-pin, straight, open wires, 2 m; 20.509: M12, 5-pin, 90°, open wires, 2 m

Technical Data

Item no.	20.031	20.032	20.035	20.036
Measuring range [bar]	-1 - 0	-1 - 0	-1 - 0	-1 - 0
Overpressure safety [bar]	3	3	3	3
Switching output digital	2 x NPN	2 x PNP	2 x PNP	2 x NPN
Switching output analog [V DC]	--	--	1 - 5	1 - 5
Repeat accuracy [%]	+/- 0,2	+/- 0,2	+/- 0,2	+/- 0,2
Electric connection	Plug M8x1, 4-pin	Plug M8x1, 4-pin	Plug M12x1, 5-pin	Plug M12x1, 5-pin
Supply voltage [V DC]	10,8 - 30	10,8 - 30	10,8 - 30	10,8 - 30
Current consumption [mA]	<=/= 55	<=/= 55	<=/= 55	<=/= 55
Maximum switching current [mA]	80	80	80	80
Operating temperature [°C]	0 - 50	0 - 50	0 - 50	0 - 50
Mechanical stress capacity [g]	100	100	100	100
Weight [g]	35	35	35	35
Suitable connector cable	20.501 20.502	20.501 20.502	20.508 20.509	20.508 20.509