

Pressure transmitter Model S-20

Modelcode type: S-20

Item number: 52375331

MEASURING RANGE

Pressure range 0 ... 250 psig

Overpressure safety 2 times

Vacuum tightness yes

OUTPUT SIGNAL

Signal output 4...20 mA, 2-wire

Permissible load in ? (power supply - 7.5 V) / 0.023 A

POWER SUPPLY

Power supply DC 8...35 V

Total current consumption Current signal, max. 25 mA

ACCURACY INFORMATION

non-linearity 0.25% BFSL

Accuracy at calibration temperature ? ± 0.5 % of span

Long-term drift ? ± 0.1 % of span

without additional error at calibration temperature yes

TEMPERATURE ERROR

Temperature error -20 ... +80°C 1 %

Temperature error -30 ... +100°C 1.5 %

OPERATING ENVIRONMENT CONDITIONS

permitted media temperature -30...+100°C

Storage and transport temperature -40 ... +70°C

shock and vibration resistance 100 g shock, 20 g vibration

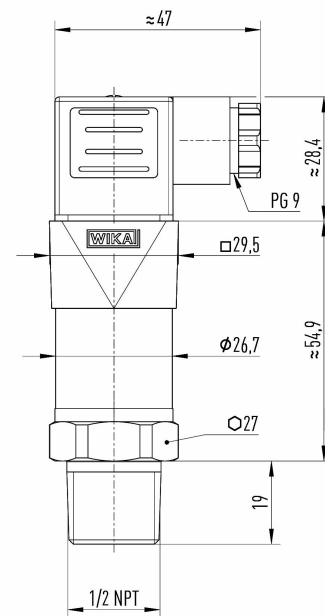
Service life 100 million load cycle

PROCESS CONNECTION

Process Connection 1/2 NPT

Sealing without

Pressure port D 2.5 mm



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ELECTRICAL CONNECTION

Electrical connection	angular connector DIN 175301 -803 A
tailoring electrical connection	mating connector included
Ingress protection	IP 65
pin assignment el. connection	U+=1, U-=2 -30 ... +100 °C (-22 ... +212 °F)
item based datasheet headlines	ELECTRICAL SAFETY
Short-circuit resistance	S+ vs. U-
Reverse polarity protection	U+ vs. U-
Insulation voltage	DC 750 V

CE-CONFORMITY, APPROVALS AND CERTIFICATES

CE conformity	PED 2014/65/EU
CE conformity2	EMC 2014/30/EU
CE-Konformität Teil3	RoHS 2011/65/EU
Approvals	cULus