

Technical data
ESW[®]-Compact/Ex-001

operating voltage	24V DC ±5%
current input	max. 100mA
temperature range	-20°C to +65°C
type of protection	IP 68
case	high grade steel V4A
case dimensions	see drawing
torque	max. 30Nm, power transmission only at hexagonal bolt
weight	2350g
connection cable	2m AWG20CUL sw 10 x 0,56mm ² , with shield, cover material: special PVC, min. bending radius: 20cm
screw-type conduit fitting	ADE 1F, M20, Di5, Brass nickel-plated, Sealing ring: Neoprene
sensor	integrated acceleration sensor
measured value	vibration velocity in mm/s
measurement range	0 to 10 / 0 to 20 / 0 to 50mm/s, switchable
signal assessment	RMS
frequency range	10Hz to 1kHz (-3dB)
filter	Butterworth, 60dB/dec resp. 18dB/oct
analog output	0 to 20mA or 4 to 20mA current source proportional to adjusted measurement range
load	max. 390Ohm
switching output	two potential free contacts K1 and K2 (30V, 1A)
switching threshold	10% to 100% of measuring range, adjustable by Potentiometer in the case
switching delay	rise time delay K1 = 10s, K2 = 5s fall time delay K1 = 0,5s, K2 = 0,5s
line monitoring	The switching contacts of K1 and K2 are closed in their normal position, the relays are activated (excited). In the case of alarm, voltage drop or cable breakage, the switching outputs become highly resistive because the switching contacts are deactivated.
Gas registration	II 2G Ex d IIC T6
Dust registration	II 2D Ex tD A21 IP68 T80°C
cable connection	red +Ub yellow closer contact K1 white closer contact K2 grey analog output orange not connected blue ground green middle contact K1 brown middle contact K2 violet not connected black not connected

Technical data under reservation!

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