

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	101x77 (h x Ø)			
torque	max. 30Nm, power transmission only at hexagonal bolt			
weight	approx. 1,9kg (without cable), approx. 2,1kg (with cable)			
connection cable	2m AWG20CUL sw 10 x 0,56mm ² , with shield, cover material: special PVC, min. bending radius: 166mm			
screw-type conduit fitting	ADE 1F, M20, Di5, Brass nickel-plated, Sealing ring: Neoprene/Silicone			
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 Gb			
Dust registration	II 2D Ex tb IIIC T80°C Db			
cable connection	red	+Ub	blue	ground
	yellow	closer contact K1	green	middle contact K1
	white	closer contact K2	brown	middle contact K2
	grey	analog output	violet	not connected
	orange	not connected	black	not connected

Technical data under reservation!

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ESW® is a registered trademark of holthausen elektronik GmbH, Wevelinghoven 38, 41334 Nettetal