

Technical data
ESW[®]-Compact_II_008

operating voltage	24V DC $\pm 5\%$		
current input	max. 100mA		
temperature range	0 to 65°C		
type of protection	IP 68		
case	high grade steel V4A (1.4571/1.4404)		
case dimensions	94x70 mm (h x Ø), Fixing hole M8x1.25 ; see manual		
torque	max. 30Nm, power transmission only at hexagonal bolt		
weight	approx. 1,0kg (without cable), approx. 1,3kg (with cable)		
sight glass	Plexiglass DIN 4102 IB2, s = 5mm		
connection cable	4m, 10xAWG 24 C UL sw 0,34mm ² , with shield, Fa. Metrofunk, min. bending radius: 136mm		
screw-type conduit fitting	M16x1,5 Brass CuZn39Pb3, nickel-plated Lamellar insert: Polyamide PA6 V-2 Sealing ring: Polychloroprene-Nitrile rubber CR/NBR O-Ring: Nitrile rubber NBR		
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 the selected measuring range		
load	max. 390Ohm		
switching output	two potential free switching-contacts (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		
alarm memory	After the activation of the alarm relay K2 the unit will remain in the alarm status until an external and manually reset will be activated		
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.		
cable connection	red	+Ub	black ground
	orange	closer contact K1	brown middle contact K1
	yellow	opener contact K1	grey closer contact K2
	blue	middle contact K2	violet opener K2
	white	analog output	green external reset
optional	threaded pin M8x25mm, V4A		

Technical data under reservation!

document: ESW[®]-Compact_II_008-TechnDaten-englisch.doc date: 19.08.2024

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