

Technical data
ESW[®]-Compact_II_004

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	94x70mm (h x Ø), Fixing hole M8x1.25 ; see manual																				
weight	approx. 1,0kg (without cable), approx. 1,2kg (with cable)																				
torque	max. 30Nm, power transmission only at hexagonal bolt																				
sight glass	Plexiglass DIN 4102 IB2, s = 5mm																				
connection cable	2m AWG20CUL sw 10 x 0,56mm ² , with shield, cover material: special PVC, min. bending radius 166mm																				
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 = 4s, K2 = 3s 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	<table><tr><td>red</td><td>+Ub</td><td>blue</td><td>ground</td></tr><tr><td>yellow</td><td>closer contact K1</td><td>green</td><td>middle contact K1</td></tr><tr><td>white</td><td>closer contact K2</td><td>brown</td><td>middle contact K2</td></tr><tr><td>grey</td><td>analog output</td><td>violet</td><td>external reset</td></tr><tr><td>orange</td><td>not connected</td><td>black</td><td>not connected</td></tr></table>	red	+Ub	blue	ground	yellow	closer contact K1	green	middle contact K1	white	closer contact K2	brown	middle contact K2	grey	analog output	violet	external reset	orange	not connected	black	not connected
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grey	analog output	violet	external reset																		
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optional	threaded pin M8x25mm, V4A																				

Technical data under reservation!

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