

Technical data
ESW[®]-Compact_II_003

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
torque	max. 30Nm, power transmission only at hexagonal bolt
weight	approx. 1,0kg (without cable), approx. 1,2kg (with cable)
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 K2 = 0,5s
alarm memory	After the activation of the alarm relay K1 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 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 external reset black not connected
optional	threaded pin M8x25mm, V4A

Technical data under reservation!

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