

Technical data
ESW[®]-Compact_II_007

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| 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 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 | 3m data line 10 x 0,34mm ² , shielded, cover material: PUR, 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 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 pink opener K1 brown middle contact K2 grey analog output blue ground green middle contact K1 white closer contact K2 black opener K2 purple external reset |
| optional | threaded pin M8x25mm, V4A |

Technical data under reservation!

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