

Technical data
ESW[®]-Compact-Alu_003

| | |
|----------------------------|--|
| operation voltage | 24V DC (±5%) |
| current input | max. 100mA |
| temperature range | 0 to 65°C |
| type of protection | IP 65 |
| case | Aluminum nature anodized material AlMgSi |
| case ground | Aluminum black anodized material AlMgSi |
| case dimensions | 97x80 (h x Ø) |
| torque | max. 30Nm, power transmission only at hexagonal bolt |
| weight | approx. 600g (without cable), approx. 890g (with cable) |
| connection cable | 4m, 10xAWG 24 C UL sw 0,34mm ² , with shielding Co. Metrofunk, min. bending radius: 136,00mm |
| 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 (switch able) |
| signal assessment | RMS |
| frequency range | 1Hz to 100Hz (-3dB) |
| filter | Butterworth, 60dB/dec resp. 18dB/oct |
| analog output | 0 to 20mA or 4 to 20mA current source proportional to the selected measurement 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 |
| activation-delay-time | K1 = 5s, K2 = 1s |
| full-down-delay-time | K1 = 1s |
| 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 orange closer contact K1 yellow opener contact K1 blue middle contact K2 white analog output black ground brown middle contact K1 grey closer contact K2 violet opener contact K2 green external reset |
| optional | threaded pin M10x25mm, V4A |

Technical data under reservation!

document: ESW[®]-Compact-Alu_003-TechnDaten-englisch.doc date: 27.10.2022

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