

Technical data
ESW[®]-Mini_054 with internal sensor

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| operation voltage | 24V DC $\pm 10\%$ |
| current input | max. 45mA |
| temperature range | 0°C to 65°C |
| type of protection | IP 65 |
| case | Aluminium pressure-die-casting (AlSi12), powder coated (RAL 7001) Sealing ring: Neoprene |
| case dimensions | 98 x 34 x 64mm (w x h x d), Fixing hole M8x1.25 ; see manual |
| weight | approx. 650g |
| mounting plate | aluminium ground plate (AlMg3) 97 x 4 x 63mm with 19mm hexagonal bolt (AlCuMgPb), 20mm length and M8 x 1,25 internal thread, (mounting plate and hexagonal bolt without surface protection) |
| torque | max. 30Nm, power transmission only at hexagonal bolt |
| connecting cable | 5m, SD 90 C, 7 x 0,34mm ² , firmly fixed, oil resistant cable for outdoor, cover material: PUR, min. bending radius: 60mm |
| 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 vibration sensor |
| input value | vibration acceleration |
| measuring value | vibration velocity in mm/s |
| measuring range | 0 to 100mm/s |
| signal assessment | arithm. average, aligned to RMS |
| frequency range | 3Hz to 30Hz (-3dB) |
| filter | Butterworth, 40dB/dec resp. 12dB/oct |
| analogue output | 4 to 20mA, current source, proportional to measuring value |
| load | max. 500Ohm |
| switching output | potential free relay contact (30V, 1A) |
| switching threshold | 10% to 100% of measuring range, adjustable by step switch in the case |
| switching delay | rise time delay 3s fixed by factory fall time delay 0,5s fixed by factory |
| line monitoring | The switching contacts 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 | pink +Ub brown opener green middle contact white analog ground shield is connected with case, not with ground blue ground yellow closer grey analog output |
| optional | threaded pin M8x25mm, V4A |

Technical data under reservation!

document: ESW[®]-Mini_054-TechnDaten-englisch.doc date: 21.08.2024

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