

Technical data
ESW[®]-Compact-Alu_001

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	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 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 = 10s, K2 = 5s
full-down-delay-time	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	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!

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