



RIBE® Electrical Fittings – SAM

RELIABLE SURGE ARRESTOR MONITORING

RIBE[®]
ELECTRICAL FITTINGS

REDUCES OUTAGE DURATION BY SYSTEM MONITORING

As the demand for more reliable electric service continues to rise, the requirement to reduce outage duration through better system monitoring raises with it.

The Surge Arrester Monitor (SAM) supervises the surge arrester within a certain railway section and reports broken ones via an integrated GSM-Module. It requires no external power supply. The integrated high-performance battery has a maximum uptime of 5 years.

The monitoring device detects the condition of the fuse through contactless current- and voltage measurements. A defective fuse causes a report which will be transmitted by the GSM-Module. The device requires no auxiliary power supply and no signal lines.



FUNCTION

The monitoring device measures the current and the voltage curve across the fuse. The measurements are made with an altering current transmitter. The current pulse generated by melting fuses triggers a reversible signalling contact. The voltage measurement additionally monitors the triggering criteria. A SMS will be sent by the GSM-Module if it gets a report.

GENERAL DATA	
Temperature range	-20 ... 60 °C
Type of protection	Housing IP 66 (EN60529)
Test voltage	3 kV / 60 s
Connection SDS	Vertical cable management D= 40 mm
Material of housing	Polyester GRP
Color	RAL 7035 (grey)
Supply	Internal Battery, uptime of max. 5 years

REPORTS & DISPLAYS	
T Current (Shock if disruptive discharge occurs)	> 20 A
Voltage (measured by SDS)	< 3 V Above adjustable timeframe
Current triggering	Report button (inside of the device)

GSM	
Report	SMS / E-Mail-Report, also on several phone numbers
Status signal-interval	Adjustable

DIMENSIONS	

COMPETENCE CONNECTS



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