Attracting Tomorrow

### LeaXield® active leakage current filter



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### Earth leakage currents – A cost and safety risk



RCDs (residual current devices) often trip by mistake

Plant availability is not ensured

A compact and economic solution is needed!

## Introducing LeaXield®



- Active compensation of earth leakage currents over a broad frequency range
- Installed between the RCD and the EMC filter
- No additional power supply needed
- Very convenient installation, especially in existing systems

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### **Functional principle of LeaXield®**





### **Drastic reduction of earth leakage currents**





### **Drastic reduction of earth leakage currents**



# Effective leakage current compensation from 150 Hz up to 30 kHz



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# Effective leakage current compensation from 150 Hz up to 30 kHz



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#### Immediate earth leakage current compensation



Without contactor triggering



#### Immediate earth leakage current compensation



## LeaXield® is now available!

- High earth leakage current compensation up to 1 A
- Optimized RCD compatibility
- Improves plant availability

Key data	
Maximum leakage current I <sub>LK,load</sub> (peak)	1 A
Frequency range	150 Hz to 30 kHz
Rated voltage $V_R$	305/530 V AC (50 Hz)
Rated current I <sub>R</sub>	50 A*
Dimensions	270 x 60 x 119 mm
Ordering code	B84233A1500R000
Conformity	CE
	* Other rated currents on request

- Convenient installation no external power supply needed
- Compact solution





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