



Main

Device short name	Flair 23DM
Range of product	Easergy Flair
product or component type	Fault passage indicator Voltage detection relay
Range compatibility	RM6 SM6-24 SM6-36 Flusarc Premset FBX
Rated voltage (Ur)	3...36 kV
Communication port protocol	Modbus

Complementary

Load current	3 A
Function available	Ammeter Voltmeter
Inrush restraint duration	0 s 3 s 70 s
Reset	Automatic reset 0...70 s upon current return 2 A or voltage return Timer 1...24 h Manual on front panel External contact
Local signalling	1 LED for fault indication External light indicator without battery Relay for fault indication Numerical display for faulty phase indication 1 LED for voltage presence phase to phase or phase to neutral 1 LED for voltage absence phase to phase or phase to neutral
Supply	24...48 V DC external supply
Overcurrent protection	OFF Auto 100...800 A, adjustable in steps of 50 A
Earth leakage current	5...30 A, adjustable in steps of 5 A 30...200 A, adjustable in steps of 10 A
Response time	Fault acknowledge time : 40...100 ms in steps of 20 ms Fault acknowledge time : 100...300 ms in steps of 50 ms

Threshold setting	40...90 % of Un 10 % increments voltage presence 10...30 % of Un 10 % increments voltage absence 30...60 % of Un 10 % increments residual voltage
Time delay range	0...1 s in steps of 0.1 s activation voltage relay 1...21 s in steps of 2 s activation voltage relay 1...15 min activation voltage relay 0...1 s in steps of 0.1 s release voltage relay 1...3 s in steps of 0.5 s release voltage relay
Height	48 mm
Width	96 mm
Depth	100 mm
net weight	0.22 kg

Environment

Electromagnetic compatibility	Electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2 Electrostatic discharge - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m, 80 MHz...1 GHz level 3 conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test - test level: 4 kV CM, 5kHz level 4 conforming to IEC 61000-4-4 Immunity to impulse waves - test level: 42 Ohm level 3 (on input-output) conforming to IEC 61000-4-5 Immunity to impulse waves - test level: 2 Ohm level 3 (on power supply) conforming to IEC 61000-4-5 Conducted RF disturbances - test level: 0.15...80 MHz, 10 V/m, 80 % MA (1 kHz) level 3 conforming to IEC 61000-4-6 Immunity to magnetic fields - test level: 30 A/m (permanent)-300 A/m (1 s) level 4 conforming to IEC 61000-4-8 Damped oscillating waves - test level: +/- 2.5 kV CM, +/- 1 kV DM, 1 MHz level 4 conforming to IEC 61000-4-12
Mechanical robustness	Vibrations 9...200 Hz 1 gn 1 cycle conforming to IEC 60068-2-26 Seismic tests 2 gn horizontal position conforming to IEC 60068-2-29 Seismic tests 1 gn vertical position conforming to IEC 60068-2-29 Shocks 10 gn 11 ms 3 pulses in operation conforming to IEC 60068-2-27
IP degree of protection	Front panel: IP41 Other parts: IP30
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-40...70 °C
Relative humidity	95 % conforming to IEC 60068-2-30

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.7 cm
Package 1 Width	7.0 cm
Package 1 Length	11.9 cm
Package 1 Weight	282.0 g
Unit Type of Package 2	S04
Number of Units in Package 2	48
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	14.788 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes

China RoHS Regulation	X
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP1309037_V1
Circularity Profile	ENVEOLI1309037_V1