Product datasheet

Specifications

MicroLogic Active 2.0AP control unit, wireless, MasterPacT MTZ1/ MTZ2/MTZ3 circuit breakers, LI protections

LV933071W

Main

Range	MasterPacT
Device short name	MicroLogic Active 2.0 AP
Product or component type	Control unit
Device application	Equipment protection, monitoring and control
Circuit breaker application	Distribution IEC standard
Range compatibility	MasterPacT MTZ1 Active circuit breaker MasterPacT MTZ2 Active circuit breaker MasterPacT MTZ3 Active circuit breaker
Poles	4P 3P
Protected poles description	3P 3d 4P 3d 4P 3d + N/2 4P 4d 4P 3d + OSN
[Ue] rated operational voltage	690 V AC, +/- 10 %
Network type	AC
Network frequency	50/60 Hz
Trip unit technology	Electronic
Trip unit protection functions	LI
Protection type	Overload protection (long time) conforming to ANSI 49 Instantaneous short-circuit protection conforming to ANSI 50
Trip unit rating	250 A 400 A 630 A 800 A 1000 A 1250 A 1600 A 2000 A 2500 A 3200 A 4000 A 5000 A 6300 A

Complementary

Mounting mode	Fixed Drawout
Neutral protection setting	1 x Ir (4P 4d) 0.5 x Ir (4P 3d + N/2) 1.6 x Ir (4P 3d + OSN) No protection (4P 3d)

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

[Ir] long time pick-up adjustment range	0.4...1 x In adjustable in step of 1 A
Long time delay adjustment type	Adjustable in step of 0.5 s
[tr] long-time delay adjustment range	0.5…30 s at 6 x Ir
Thermal memory	Yes
Instantaneous pick-up adjustment type Ii	Adjustable
[Ii] instantaneous pick-up adjustment range	1.5...10 x Ir adjustable in step of 0.1 x Ir
[Ii mode] instantaneous delay adjustment range	20 ms in standard
Zone selective interlocking ZSI	Without
Network and machine diagnosis type	System (HMI) health state overview: circuit breaker health state Contacts state: circuit breaker health state MicroLogic service life: circuit breaker health state Tripping cause indication: circuit breaker tripping cause Identification card: diagnostic data Configured alarms synthesis: diagnostic data Monitored function: diagnostic data Operation: diagnostic data MicroLogic test: test Protection test: test Selectivity test: test Trip context information: crisis management Operation: advanced diagnostic Breaker service life: circuit breaker health state
Type of measurement	Ammeter
Metering type	Current I1, I2, I3, Iavg RMS Neutral current IN RMS Ground fault current Ig RMS Demand current I1, I2, I3, In, Iavg Frequency Phase sequence total Unbalance current
Frequency measurement range	40…70 Hz
Measurement accuracy	Current I1, I2, I3, Iavg, Idemand for MTZ1: +/- 1.5 % 40...1600 x 1.2 A Current I1, I2, I3, Iavg, Idemand for MTZ2: +/- 1.5 % 40...4000 x 1.2 A Current I1, I2, I3, Iavg, Idemand for MTZ3: +/- 1.5 % 80...6300 x 1.2 A Neutral current IN: +/- 1.5 % Ground fault current Ig: +/- 10 % Frequency: +/- 0.005 Hz Unbalance current: +/- 0.5 %
Display type	LCD display - 320 x 240 pixels
Communication port protocol	Bluetooth 5.0 LE peer to peer 30 kbit/s NFC peer to peer 28800 bauds conforming to ISO 15963 USB peer to peer 115 kbauds
Data recording	Data logs Event logs Alarm logs Time stamping Maintenance logs Min/max of instantaneous values

Environment

Standards	EN/IEC 60947-2 EN/IEC 60092-202 EN/IEC 60947-1 EN/IEC 60255-1 EN/IEC 61010-1 IEEE 802.15.4
Mounting location	Indoor use only
Environmental characteristic	Wet location not approved for use conforming to IEC 61010-1

Electromagnetic compatibility	Electrostatic discharge immunity test conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Conducted and radiated emissions A conforming to CISPR 22
Overvoltage category	IV conforming to IEC 61010-1
Measurement category	Category IV conforming to IEC 61010-2-30
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25…70 °C (operating) -35 °C (for start-up of product)
Relative humidity	95 % at 55 °C conforming to IEC 60068-2-30
Operating altitude	<= 2000 m without derating <= 4000 m with operational voltage derating 600 V AC <= 5000 m with operational voltage derating 560 V AC

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6 cm
Package 1 Width	10 cm
Package 1 Length	21 cm
Package 1 Weight	3 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**19 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**14 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**5 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.7 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**Fcd3b9fe-bf44-449d-96b9-7cfc67b6e92b**
REACh Regulation	**REACh Declaration**
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**Yes**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**5**
End of life manual availability	**End of Life Information**
Removable battery	**User replaceable**
Take-back	**No**