



Galvenā

Diapazons	MasterPacT
Ierīces īsais nosaukums	MicroLogic 5.0 X
Produkta vai sastāvdaļas veids	Kontroles vienība
Ierīces pielietojums	Equipment protection, monitoring and control
Circuit breaker application	Distribution IEC standard
Saderība ar	MasterPact MTZ1 circuit breaker MasterPact MTZ2 circuit breaker MasterPact MTZ3 circuit breaker
Poles	3P 4P
Protected poles description	3P 3d 4P 3d 4P 3d + N/2 4P 4d 4P 3d + OSN
[Ue] rated operational voltage	690 V AC, +/- 10 %
Tīkla veids	AC
Tīkla frekvence	50/60 Hz
Atslēgšanas tehnoloģija	Electronic
Trip unit protection functions	LSI
Protection type	Overload protection (long time) ANSI 49 Instantaneous short-circuit protection ANSI 50 Short time short-circuit protection ANSI 51
Trip unit rating	400 A 630 A 800 A 1000 A 1250 A 1600 A 2000 A 2500 A 3200 A 4000 A 5000 A 6300 A

Papildinošs

Montāžas veids	Fixed
Neutral protection setting	1 x I _r 4P 4d) 0.5 x I _r 4P 3d + N/2) 1.6 x I _r 4P 3d + OSN) No protection 4P 3d)
[I _r] long time pick-up adjustment range	0.4...1 x I _n adjustable in step of 1 A
Long time delay adjustment type	Adjustable in step of 0.5 s
[t _{tr}] long-time delay adjustment range	12,5...600 S 1.5 x I _r 0,5...24 S 6 x I _r 0,7...16,6 s 7.2 x I _r
Thermal memory	Yes

[Isd] short-time pick-up adjustment range	1.5...10 x Ir adjustable in step of 0.5 x Ir embedded HMI 1.5...10 x Ir adjustable in step of 0.1 x Ir Ecoreach software or MasterPact MTZ mobile app
Short-time delay adjustment type	Adjustable
[tsd] short-time delay adjustment range	0,1...0,4 S I ^t =on 0...0,4 s I ^t =off
Instantaneous pick-up adjustment type li	Adjustable
[li] instantaneous pick-up adjustment range	2...15 x In adjustable in step of 0.5 x In embedded HMI 2...15 x In adjustable in step of 0.1 x In Ecoreach software or MasterPact MTZ mobile app li enable on/off
[li mode] instantaneous delay adjustment range	0 ms fast 20 ms standard
Zone selective interlocking ZSI	With
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
Mērijumu veids	Power meter
Energy management	Measurement ,active, reactive and apparent energy Measurement ,electrical network Measurement ,energy
Metering type	Current I1, I2, I3, Iavg RMS Neutral current IN RMS Ground fault current Ig RMS Voltage V12, V23, V31, VLLavg RMS Voltage V1N, V2N, V3N, VLNavg RMS Active power P, P1, P2, P3 total Reactive power Q, Q1, Q2, Q3 total Apparent power S, S1, S2, S3 total Power factor Active energy Ep IN/OUT/tot Reactive energy Eq IN/OUT/tot Apparent energy Es IN/OUT/tot Demand current I1, I2, I3, In, Iavg Demand power P, Q, S Frequency Phase sequence Earth leakage current Total current harmonic distortion THD (I) Total voltage harmonic distortion THD (V) Unbalance current Unbalance voltage
Measurement voltage	208...828 V AC 50/60 Hz phase to phase 120...480 V AC 50/60 Hz phase to neutral
Frequency measurement range	40...70 Hz
Measurement accuracy	Current I1, I2, I3, Iavg, Idemand for MTZ1 +/- 0.5 % 40...1600 x 1.2 A Current I1, I2, I3, Iavg, Idemand for MTZ2 +/- 0.5 % 40...4000 x 1.2 A Current I1, I2, I3, Iavg, Idemand for MTZ3 +/- 0.5 % 80...6300 x 1.2 A Neutral current IN +/- 1 % Ground fault current Ig +/- 5 % Voltage V12, V23, V31, VLLavg +/- 0.5 % 208...690 x 1.2 V Voltage V1N, V2N, V3N, VLNavg +/- 0.5 % 120...400 x 1.2 V Active power P, P1, P2, P3, Pdemand +/- 1 % Reactive power Q, Q1, Q2, Q3, Qdemand +/- 2 % Apparent power S, S1, S2, S3, Sdemand +/- 1 % Power factor +/- 2 % Active energy Ep IN/OUT/tot +/- 1 % Reactive energy Ep IN/OUT/tot +/- 2 % Apparent energy Es IN/OUT/tot +/- 1 % Frequency +/- 0.005 Hz Earth leakage current +/- 10 % Unbalance current +/- 0.5 %

Accuracy class	Class 5 total current harmonic distortion THD (I) Class 0.5 unbalance voltage 1. klase active and reactive energy by pulse counting (+/- W.h, +/- VAR.h) Class 2 total voltage harmonic distortion THD (V)
Display type	LCD display - 128 x 96 pixels
Communication port protocol	Bluetooth 4.0 LE peer to peer 30 kbit/s NFC peer to peer ISO 15963 USB peer to peer 115 kbauds
Data recording	Data logs Time stamping Alarm logs Min/Max of instantaneous values Event logs Maintenance logs

Vide

Standarti	EN/IEC 60947-1 EN/IEC 60092-202 EN/IEC 60947-2 EN/IEC 60255-1 EN/IEC 61010-1
Montāžas vieta	Lietošanai tikai iekštelpās
Environmental characteristic	Wet location not approved for use 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 IEC 61010-1
Measurement category	Category IV IEC 61010-2-30
Pollution degree	3 IEC 60947-1
Ambient air temperature for operation	-25...70 °C operating) -35 °C for start-up of product)
Relative humidity	95 % 55 °C 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

Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	6,7 cm
1. iepakojuma platums	7,9 cm
1. iepakojuma garums	21,6 cm
1. iepakojuma svars	347,0 g

Piedāvājiēt ilgtspēju

Ilgspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	 REACH Deklarācija
ES RoHS direktīva	Atbilst izņēmumiem
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	 Ķīnas RoHS Deklarācija
Informācija par RoHS izņēmumiem	 Jā
Vides informācijas publicēšana	 Produkta letekme Uz Vidi
Cirkularitātes profils	 Informācija Par Eksploatācijas Izbeigšanu
Nesatur PVH	Jā
Halogēnu satura veiktspēja	Produkta plastmasas detaļās nesatur halogēnus

Līguma garantija

Garantija

18 months
