



### Osnovne informacije

Grupa proizvoda	Masterpact
Kratko ime uređaja	Micrologic 2.0 X
Tip proizvoda ili komponente	Kontrolna jedinica
Primena uređaja	Zaštita opreme, nadzor i upravljanje
Primena prekidača	IEC standard za prenos
Kompatibilnost grupe proizvoda	Masterpact MTZ1 circuit breaker
Poles	3P 4P
Protected poles	4P 3d 4P 3d + OSN 4P 3d + N/2 3P 3d 4P 4d
[Ue] nazivni radni napon	690 V AC, +/- 10 %
Tip mreže	AC
Mrežna frekvencija	50/60 Hz
Tehnologija zaštitne jedinice	Elektronska
Funkcija zaštitne jedinice	Li
Tip zaštite	Instantaneous short-circuit protection conforming to ANSI 50 Overload (long time) conforming to ANSI 49
Nazivna struja zaštitne jedinice	1600 A 5000 A 2000 A 3200 A 800 A 6300 A 4000 A 400 A 1250 A 630 A 2500 A 1000 A

### Dopunske informacije

Način montiranja	Izvlačivo
[I <sub>r</sub> ] long time pick-up adjustment range	0.4...1 x I <sub>n</sub> adjustable in step of 1 A
Tip podešavanja kašnjenja prorade zaštite	Podesivo u koracima od 0.5 s
[t <sub>r</sub> ] long-time delay adjustment range	12.5...600 S at 1.5 x I <sub>r</sub> 0.5...24 S at 6 x I <sub>r</sub> 0.7...16.6 s at 7.2 x I <sub>r</sub>
Termička memorija	Da
Podešavanje praga trenutne zaštite od kratkog spoja tip ii	Podesivo
[I <sub>i</sub> ] instantaneous pick-up adjustment range	1.5...10 x I <sub>r</sub> adjustable in step of 0.5 x I <sub>r</sub> with embedded HMI 1.5...10 x I <sub>r</sub> adjustable in step of 0.1 x I <sub>r</sub> with Ecoreach software or Masterpact MTZ mobile app
[I <sub>i</sub> mode] instantaneous delay adjustment range	20 ms in standard

Zona selektivne blokade zsi	Bez
Tip dijagnostike mreže i mašine	System (HMI) health state overview: circuit breaker health state standard) Contacts state: circuit breaker health state standard) Micrologic service life: circuit breaker health state standard) Tripping cause indication: circuit breaker tripping cause standard) Identification card: diagnostic data standard) Configured alarms synthesis: diagnostic data standard) Monitored function: diagnostic data standard) Operation: diagnostic data standard) Micrologic test: test standard) Protection test: test standard) Selectivity test: test standard) Trip context information: crisis management standard) Operation: advanced diagnostic standard) Breaker service life: circuit breaker health state standard)
Tip merenja	Multimetar
Upravljanje energijom	Measurement ,active, reactive and apparent energy (standard) Measurement ,electrical network (standard) Measurement ,energy (standard)
Tip merenja	Current I1, I2, I3, In, Ig: maximum standard) Average voltage Vavg standard) Active power P, P1, P2, P3 standard) Reactive power Q, Q1, Q2, Q3 standard) Apparent power S, S1, S2, S3 standard) Power factor standard) Frequency standard) Total current harmonic distortion THD (I): inst, avg, avg min, avg max fundamental voltage standard) Total current harmonic distortion THD (I): inst, avg, avg min, avg max RMS voltage standard) Voltage V21, V32, V13, V1, V2, V3: instantaneous standard) Voltage V21, V32, V13, V1, V2, V3: minimum standard) Voltage V21, V32, V13, V1, V2, V3: maximum standard) Total voltage harmonic distortion THD (V): inst, avg, avg min, avg max fundamental voltage standard) Total voltage harmonic distortion THD (V): inst, avg, avg min, avg max RMS voltage standard) Demand current I1, I2, I3, In, Iavg standard) Demand power P, Q, S standard)
Mereni napon	145.6 V AC 50/60 Hz per phase 828 V AC 50/60 Hz per phase
Opseg merenja frekvencije	40...70 Hz
Tačnost merenja	Power factor: +/- 1 % Active energy Ep IN/OUT/tot: +/- 1 % - 10...10 GWh Reactive energy Ep IN/OUT/tot: +/- 2 % - 10...10 GVARh Apparent energy Es IN/OUT/tot: +/- 1 % - 10...10 GVAh Unbalance current: +/- 0.5 % Frequency: +/- 0.005 Hz Voltage V21, V32, V13, VLLavg: +/- 0.5 % 208...690 x 1.2 V Voltage V21, V32, V13, VLNavg: +/- 0.5 % 120...400 x 1.2 V Apparent power S, S1, S2, S3, Sdemand: +/- 1 % Active power P, P1, P2, P3, Pdemand: +/- 1 % Reactive power Q, Q1, Q2, Q3, Qdemand: +/- 2 % 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
Klasa tačnosti	Class 5: total current harmonic distortion THD (I) Class 0.5: unbalance voltage Class 1: active and reactive energy by pulse counting (+/- W.h, +/- VAR.h) Class 2: total voltage harmonic distortion THD (V)
Tip displeja	LCD display - 128 x 96 pixels
Protokol komunikacionog porta	Bluetooth 4.0 LE peer to peer 30 kbit/s NFC peer to peer 28800 bauds conforming to ISO 15963 USB peer to peer 115 kbauds
Snimanje podataka	Upis alarma Upis podataka o održavanju Upis event podataka Upisa podataka Precizno vremensko beleženje ulazne veličine Minimum/maksimum trenutnih vrednosti

## Okruženje

Standardi	EN/IEC 60947-2 EN/IEC 60255-1 EN/IEC 60947-1 EN/IEC 60092-202 EN/IEC 61010-1
Lokacija za montiranje	Upotreba samo u zatvorenom
Karakteristike okruženja	Wet location not approved for use conforming to IEC 61010-1
Elektromagnetna kompatibilnost	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
Kategorija prenapona	IV conforming to IEC 61010-1
Kategorija merjenja	Category IV conforming to IEC 61010-2-30
Stepen zaprljanosti	3 conforming to IEC 60947-1
Temperatura okoline za rad	-25...70 °C (operating) -35 °C (for start-up of product)
Relativna vlažnost	95 % pri 55 °C u skladu sa IEC 60068-2-30
Nadmorska visina za rad uređaja	<= 2000 m without derating <= 4000 m with operational voltage derating 600 V AC <= 5000 m with operational voltage derating 560 V AC

## Pakovanje

Pakovanje 1 težina	0,319 kg
Pakovanje 1 visina	0,680 dm
Pakovanje 1 širina	0,800 dm
Pakovanje 1 dužina	2,150 dm

## Održivost ponude

Status održive ponude	Green Premium proizvod
Propis REACH	<a href="#">REACH Deklaracija</a>
EU RoHS direktiva	Usaglašeno <a href="#">EU RoHS Deklaracija</a>
Bez žive	Da
Informacije o RoHS izuzecima	<a href="#">Da</a>
RoHS regulativa za Kinu	<a href="#">RoHS Deklaracija Za Kinu</a>
Izjava o zaštiti okoliša	<a href="#">Profil Ekološke Prihvatljivosti Proizvoda</a>
Profil cirkularnosti	<a href="#">Informacije O Kraju Radnog Veka</a>
Bez PVC	Da
Učinak u vezi sa sadržajem halogena	Proizvod sa plastičnim delovima bez halogena

## Ugovorna garancija

Garancija	18 meseci
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