

# C6336M500

Trip unit MicroLogic 6.3EM, ComPacT  
NSX630, 3 poles, basic and ground fault  
protections, motor, energy meter, 500A



## Main

Range	ComPacT new generation
Range of product	ComPacT NSX400...630 new generation
Product or component type	Trip unit
Trip unit name	MicroLogic 6.3 E-M
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX630
Device application	Motor
Poles description	3P
Protected poles description	3D
Trip unit protection functions	LSIG
Protection type	L : for overload protection (long time) S : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection G : for ground fault protection
Trip unit rating	500 A at 65 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Circuit breaker mounting mode	Fixed

## Complementary

Motor tripping class	5 10 30 20
Complementary motor protection	Current unbalance Protracted starting time Stalled rotor Underload
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	250...500 A
Long-time protection delay adjustment type tr	Adjustable
[tr] long-time protection delay adjustment range	120 S at 1.5 x Ir for trip class 5 6.5 S at 6 x Ir for trip class 5 5 S at 7.2 x Ir for trip class 5 240 S at 1.5 x Ir for trip class 10 13.5 S at 6 x Ir for trip class 10 10 S at 7.2 x Ir for trip class 10 480 S at 1.5 x Ir for trip class 20 26 S at 6 x Ir for trip class 20 20 S at 7.2 x Ir for trip class 20 720 S at 1.5 x Ir for trip class 30 38 S at 6 x Ir for trip class 30 30 s at 7.2 x Ir for trip class 30
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings

[Isd] Short-time protection pick-up adjustment range	5...13 x Ir
Short-time protection delay adjustment type tsd	Fixed
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	6500 A
Ground-fault protection pick-up adjustment type Ig	Adjustable
[Ig] ground-fault protection pick-up adjustment range	0.2...1 x In for In = 50 A Ig enable on/off
Ground-fault protection time delay adjustment type tg	Adjustable
[tg] ground-fault protection time delay adjustment range	0...0.4 s
Earth-leakage protection	Without
Zone selective interlocking ZSI	With
Local signalling	Flashing LED (green) for ready to operate LED 95 % Ith (red) for temperature over set point
Display type	LCD display
Type of measurement	Energy meter
Communication of data	Energy metering Protection and alarm settings Time-stamped histories and event tables Instantaneous and demand values Maintenance indicators Demand current and power Power quality Maximeters/minimeters
Electrical data recording	Maintenance indicators

## Environment

Standards	EN/IEC 60947-2
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60947-1
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.5 cm
Package 1 Width	17.8 cm
Package 1 Length	215 cm
Package 1 Weight	1.46 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6.29 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes

Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>