

Product data sheet

Characteristics

C1036M080

Trip unit MicroLogic 6.2EM, ComPacT
NSX100-250, 3 poles, basic and ground fault
protections, motor, energy meter, 80A



Main

Range	ComPacT new generation
Range of product	ComPacT NSX100...250 new generation
Product or component type	Trip unit
Trip unit name	MicroLogic 6.2 E-M
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX100 ComPacT new generation NSX160 ComPacT new generation NSX250
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	80 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	10 30 5 20
Complementary motor protection	Protracted starting time Stalled rotor Current unbalance Underload
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
$[Ir]$ long-time protection pick-up adjustment range	35...80 A
Long-time protection delay adjustment type tr	Adjustable
$[tr]$ long-time protection delay adjustment range	120 S at $1.5 \times Ir$ for trip class 5 6.5 S at $6 \times Ir$ for trip class 5 5 S at $7.2 \times Ir$ for trip class 5 240 S at $1.5 \times Ir$ for trip class 10 13.5 S at $6 \times Ir$ for trip class 10 10 S at $7.2 \times Ir$ for trip class 10 480 S at $1.5 \times Ir$ for trip class 20 26 S at $6 \times Ir$ for trip class 20 20 S at $7.2 \times Ir$ for trip class 20 720 s at $1.5 \times Ir$ for trip class 30
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings

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[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
[Ii] instantaneous protection pick-up adjustment range	1200 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 % lth (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	9.8 cm
Package 1 Width	11.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	540.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6.391 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes

Environmental Disclosure

 Product Environmental Profile

Circularity Profile

 End Of Life Information
