

# Product datasheet

Specifications



Trip unit MicroLogic 6.3EM,  
ComPacT NSX400/630, 3 poles,  
basic and ground fault protections,  
motor, energy meter, 320A

C4036M320

## Main

Range	ComPacT
Range of product	ComPacT NSX400...630
Product or component type	Trip unit
Trip unit name	MicroLogic 6.3 E-M
Trip unit technology	Electronic
Range compatibility	ComPacT NSX400 ComPacT 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	320 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	30 10 20 5
Complementary motor protection	Protracted starting time Current unbalance Underload Stalled rotor
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	160...320 A
Long-time protection delay adjustment type tr	Adjustable

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

<b>[tr] long-time protection delay adjustment range</b>	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
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type Isd</b>	Adjustable 9 settings
<b>[Isd] Short-time protection pick-up adjustment range</b>	5...13 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<b>Instantaneous protection pick-up adjustment type Ii</b>	Fixed
<b>[Ii] instantaneous protection pick-up adjustment range</b>	4800 A
<b>Ground-fault protection pick-up adjustment type Ig</b>	Adjustable
<b>[Ig] ground-fault protection pick-up adjustment range</b>	0.2...1 x In for In = 50 A Ig enable on/off
<b>Ground-fault protection time delay adjustment type tg</b>	Adjustable
<b>[tg] ground-fault protection time delay adjustment range</b>	0...0.4 s
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	With
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 95 % Ith (red) for temperature over set point
<b>Display type</b>	LCD display
<b>Type of measurement</b>	Energy meter
<b>Communication of data</b>	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
<b>Electrical data recording</b>	Maintenance indicators

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

<b>Package 1 Height</b>	13 cm
<b>Package 1 Width</b>	17 cm
<b>Package 1 Length</b>	22 cm
<b>Package 1 Weight</b>	1.501 kg
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	4
<b>Package 2 Height</b>	30 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	6.2 kg

## 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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) 64

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Recycled metal content at CR level 0

[EU RoHS Directive](#) Compliant with Exemptions

REACH Regulation [REACH Declaration](#)

Halogen content performance Product contains halogen above thresholds

PVC free Yes

Silicon free No

## Use Longer

### Lifetime extension

Upgradeability Yes

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins