

# Product data sheet

## Characteristics

# C1046E040

Trip unit MicroLogic 6.2E, ComPacT  
NSX100/160/250, 4 poles, basic and ground  
fault protections, energy meter, 40A



### 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
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX100 ComPacT new generation NSX160 ComPacT new generation NSX250
Device application	Distribution
Poles description	4P
Protected poles description	3D + N/2 4D 3D + OSN 3D
Neutral position	Left
Trip unit protection functions	LSIG
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
Trip unit rating	40 A at 40 °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

Long-time pick-up adjustment type $I_r$ (thermal protection)	Adjustable 9 settings
[ $I_r$ ] long-time protection pick-up adjustment range	18...40 A
Long-time protection delay adjustment type $t_r$	Adjustable
[ $t_r$ ] long-time protection delay adjustment range	15...400 S at $1.5 \times I_r$ 0.35...11 S at $7.2 \times I_r$ 0.5...16 s at $6 \times I_r$
Neutral protection settings	$0.5 \times I_r$ (3D + N/2) $1 \times I_r$ (4D) $1.6 \times I_r$ (3D + OSN) No protection (3D)
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type $I_{sd}$	Adjustable 9 settings
[ $I_{sd}$ ] Short-time protection pick-up adjustment range	1.5...10 $\times I_r$
Short-time protection delay adjustment type $t_{sd}$	Adjustable
[ $t_{sd}$ ] Short-time protection delay adjustment range	0...0.4 S $I^2t=off$ 0.1...0.4 s $I^2t=on$
Instantaneous protection pick-up adjustment type $I_i$	Adjustable

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[Ii] instantaneous protection pick-up adjustment range	1.5...15 x In
Ground-fault protection pick-up adjustment type Ig	Adjustable
[Ig] ground-fault protection pick-up adjustment range	0.4...1 x In for In = 40 A 0.2...1 x In for In > 40 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   <sup>2</sup> t=off 0.1...0.4 s   <sup>2</sup> t=on
Earth-leakage protection	Without
Zone selective interlocking ZSI	With
Local signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
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	9.5 cm
Package 1 Width	11.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	668.0 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	7.828 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>