Product data sheet
Characteristics

LV430491
trip unit MicroLogic 5.2 E for ComPact NSX 160/250 circuit breakers, electronic, rating 160A, 3 poles 3d

Important message: This product has been switched to new ComPacT range and is no longer commercialized. It will continue to be available in H1 2023 only limited to specific projects.



Commercial status
End of Commercialisation : DEC 25, 2023

⚠ End of Commercialisation

Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	MicroLogic 5.2 E
Trip unit technology	Electronic
Range compatibility	ComPact NSX160 ComPact NSX250
Device application	Distribution
Poles description	3P
Protected poles description	3t
Trip unit protection functions	LSI
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection
[In] rated current	160 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz

Complementary

Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	63...160 A
Long time delay adjustment type	Adjustable
[tr] long-time delay adjustment range	15…400 S at 1.5 x Ir 0.35…11 S at 7.2 x Ir 0.5…16 S at 6 x Ir
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable
[tsd] short-time delay adjustment range	0…0.4 S I²t=off 0.1…0.4 S I²t=on
Instantaneous pick-up adjustment type Ii	Adjustable

Instantaneous pick-up adjustment range	1.5...15 x In
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	Demand current and power Maintenance indicators Instantaneous and demand values Energy metering Time-stamped histories and event tables Protection and alarm settings Maximeters/Minimeters Power quality
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	EAC[RETURN]Marine[RETURN]CCC
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	9.6 Cm
Package 1 Width	11 Cm
Package 1 Length	15 Cm
Package 1 Weight	560 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	6.628 Kg

Offer Sustainability

Total lifecycle Carbon footprint	78 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.9218341463
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1218040976
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0588710244
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	74.9185942393
Carbon footprint of the use phase [B2, B3, B4, B6]	75 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.0905369756
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Total lifecycle Carbon footprint	78
SCIP Number	9cd110c5-7f48-4bb3-91b8-ba77f361496d
EU RoHS Directive	Compliant By Exemption
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation

LV430491 may be replaced by any of the following products:



C1635E160

Trip unit MicroLogic 5.2E, ComPacT NSX160/250, 3 poles, electronic basic protections, energy meter, 160A rating

Qty 1

Substitution date: |