## Product data sheet Characteristics

# LV430641

circuit breaker Compact NSX160F, 36 KA at 415 VAC, TMD trip unit 125 A, 4 poles 3d





#### Main

Wall	
Range	Compact
Product name	Compact NSX
Device short name	Compact NSX160F
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	3t
Neutral position	Left
[In] rated current	125 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
Breaking capacity	10 KA at 600 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 480 V AC 50/60 Hz conforming to UL 508 30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	F 36 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Mounting mode	Fixed

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products by specific user applications. It is the douty of any sub-user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or substituies shall be responsible or liable for misuse of the information contained herein.

Complementary

Complementary	
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 KV
[lcs] rated service breaking capacity	35 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 22 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	40000 Cycles
Electrical durability	10000 Cycles 440 V In/2 conforming to IEC 60947-2 15000 Cycles 690 V In/2 conforming to IEC 60947-2 20000 Cycles 440 V In conforming to IEC 60947-2 7500 Cycles 690 V In conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 Mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	125 A at 40 °C
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.71 x ln
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	120400 S at 1.5 x ln 15 S at 6 x lr
Short-time pick-up adjustment type Isd	Fixed
[Isd] short-time pick-up adjustment range	1250 A
Short-time delay adjustment type	Fixed
Neutral protection setting	No protection (3t)
Auxiliary contact composition	Without
Local signalling	Positive contact indication
Width	140 Mm
Height	161 Mm
Depth	86 Mm
Net weight	2.6 Kg

#### Environment

Standards	EN/IEC 60947 UL 508	
Product certifications	EAC CCC Marine	
Overvoltage category	Class II	-
Electrical shock protection class	Class II	
Pollution degree	3 conforming to IEC 60664-1	-
IP degree of protection	IP40 conforming to IEC 60529	-
IK degree of protection	IK07 conforming to IEC 62262	
Ambient air temperature for operation	-3570 °C	-
Ambient air temperature for storage	-5585 °C	

## Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	2.44 Kg	
Package 1 Height	13.8 Cm	
Package 1 width	14.8 Cm	
Package 1 Length	19 Cm	

Unit Type of Package 2	S04	
Number of Units in Package 2	9	
Package 2 Weight	22.024 Kg	
Package 2 Height	30 Cm	
Package 2 width	40 Cm	
Package 2 Length	60 Cm	

## Offer Sustainability

WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End Of Life Information
Environmental Disclosure	Product Environmental Profile
China RoHS Regulation	d China RoHS Declaration
RoHS exemption information	€Yes
Mercury free	Yes
EU RoHS Directive	Compliant EEU RoHS Declaration
Sustainable offer status	Green Premium product

### Contractual warranty

Warranty 18 months		
	Warranty	18 months

Product Life Status : Commercialised

