

Product datasheet

Specifications



I-Line circuit breaker, 3 Poles, 50A rating, 36kA, TMD trip unit adapted ComPacT NSX new generation

IL0503P36

Main

Range	I-Line
Range of product	ComPacT NSX100...250 new generation
Device short name	NSX100F
Product or component type	Circuit breaker
Device application	Distribution
Number of poles	3P
[In] rated current	50 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	36 kA Icu at 415 V AC 50/60 Hz conforming to EN 60947-2
Performance level	F
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Mounting location	I-Line

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[Ics] rated service short-circuit breaking capacity	36 kA at 415 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	20000 cycles
Electrical durability	50000 cycles at 440 V In/2 30000 cycles at 440 V In 20000 cycles at 690 V In/2 10000 cycles at 690 V In
Protection type	L : for overload protection (long time) I : for short-circuit protection (magnetic)

Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x In
Long-time protection delay adjustment type tr	Fixed
[Tr] long-time protection delay adjustment range	120...400 s at 1.5 x Ir 15 s at 6 x Ir
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	500 A
Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.05 kg
Colour	Grey

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2
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	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Relative humidity	95 %
Operating altitude	0...2000 m without derating 2000 m...5000 m without derating

Contractual warranty

Warranty	18 months
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