



Product Description: Schneider LV430631 MCCB, 125 Amp, 3 Pole

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

Applications

Replacement moulded case circuit breaker for 70kVA heat treatment units.

Specification

Main	
Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX160F
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	125 A at 40 °C
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	690 V AC 50/60 Hz
Breaking capacity code	F 36 kA 415 V AC
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
[Ics] 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
Suitability for isolation	Yes conforming to EN 60947-2 / IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Pollution degree	3 conforming to IEC 60664-1



Complementary	
Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Auxiliary contact composition	Without
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
Connection pitch	35 mm
Local signalling	Positive contact indication
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	0.7...1 x In
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	120...400 s at 1.5 x In 15 s at 6 x Ir
Short-time pick-up adjustment type Isd	Fixed
[Isd] short-time pick-up adjustment range	1250 A
Short-time delay adjustment type	Fixed
Height	161 mm
Width	105 mm
Depth	86 mm
Net weight	2.2 kg
Compatibility code	NSX160

Environmental	
Overvoltage category	Class II
Electrical shock protection class	Class II
Standards	EN/IEC 60947 UL 508
Product certifications	Marine EAC CCC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C
EU RoHS Directive	Compliant
Mercury free	Yes