

PRODUCT DATASHEET

 English (EN)

Product: Schneider LV430630 MCB 160 Amp 3 Pole
Product Code: GHT 9415

MAIN

Weight: 2.2kg
Unit of Sale: Each
Device short name: Compact NSX160F
Circuit breaker application: Distribution
Poles description: 3P
Protected poles description: 3t
Network type: AC
Network frequency: 50/60 Hz
[In] rated current: 160 A (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
Circuit breaker rating code: F



Breaking capacity:

- 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
- 35 kA at 480 V AC 50/60 Hz conforming to UL 508
- 20 kA at 600 V AC 50/60 Hz conforming to NEMA AB1
- 85 Ka Icu at 220/240 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
- 36 kA Icu at 380/415 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
- 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2
- 85 kA at 240 V AC 50/60 Hz conforming to UL 508
- 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1
- 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1
- 10 kA at 600 V AC 50/60 Hz conforming to UL 508

[Ics] rated service breaking capacity

- Ics 8 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 30 kA 500 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 22 kA 525 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 85 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 36 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 35 kA 440 V AC 50/60 Hz conforming to IEC 60947-2

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Suitability for isolation	Yes conforming to IEC 60947-2 Yes conforming to EN 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	160 A (40 °C)
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60664-1

COMPLEMENTARY

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	40000 cycles
Electrical durability	7500 cycles 690 V In conforming to IEC 60947-2 20000 cycles 440 V In/2 conforming to IEC 60947-2 15000 cycles 690 V In/2 conforming to IEC 60947-2 10000 cycles 440 V In conforming to IEC 60947-2

Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type I _r	Adjustable
Long time pick-up adjustment range	0.7...1 x I _n
Long time delay adjustment type	Fixed
[Tr] long-time delay adjustment	15 s 6 x I _r 120...400 s 1.5 x I _n
Short-time pick-up adjustment type I _{sd}	Fixed
[I _{sd}] short-time pick-up adjustment range	1250 A
Short-time delay adjustment type	Fixed
Height	161 mm
Width	105 mm
Depth	86 mm

ENVIRONMENT

Electrical shock protection class	Class II
Standards	EN 60947-2/IEC 60947-2/ NEMA AB1/ UL 508
Product certifications	CSA / UL
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
RoHS EUR conformity date	0819
RoHS EUR status	Compliant