

LV430310

circuit breaker Compact NSX160B - TMD - 160
A - 3 poles 2d



Main

Circuit breaker name	Compact NSX160B
Circuit breaker application	Distribution
Circuit breaker rating code	B
[In] rated current	160 A (40 °C)
Poles description	3P
Protected poles description	3t
Breaking capacity	Icu 40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 15 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 20 kA at 480 V AC 50/60 Hz conforming to NEMA AB1
[Ics] rated service breaking capacity	Ics 15 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 20 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 25 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 40 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	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
Suitability for isolation	Yes conforming to IEC 60947-2 Yes conforming to EN 60947-2
Utilisation category	Category A
Pollution degree	3 conforming to IEC 60947-1
Network type	AC
Network frequency	50/60 Hz
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)

Complementary

Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
Control type	Toggle
Mounting support	Backplate
Local signalling	Positive contact indication
Mechanical durability	40000 cycles

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 for specific user applications. It is the duty of any such 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 subsidiaries shall be responsible or liable for misuse of the information contained herein.

Electrical durability	10000 cycles 440 V In/2 conforming to IEC 60947-2 20000 cycles 440 V In conforming to IEC 60947-2 15000 cycles 690 V In/2 conforming to IEC 60947-2 7500 cycles 690 V In conforming to IEC 60947-2
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	15 s 6 x Ir 120...400 s 1.5 x In
Short-time pick-up adjustment type Isd	Fixed
[Isd] short-time pick-up adjustment range	1250 A
Short-time delay adjustment type	Fixed
Connection pitch	35 mm
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
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