

# LV430310

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



## Main

Product or component type	Circuit breaker
Device short name	Compact NSX160B
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 )
[U <sub>i</sub> ] rated insulation voltage	800 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz
Breaking capacity code	B
Breaking capacity	I <sub>cu</sub> 40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 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
[I <sub>cs</sub> ] rated service breaking capacity	I <sub>cs</sub> 15 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 40 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 25 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 20 kA 440 V AC 50/60 Hz conforming to IEC 60947-2
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 protection functions	LI
Trip unit rating	160 A ( 40 °C )
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60664-1

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## 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 conforming to IEC 60947-2 15000 cycles 690 V In/2 conforming to IEC 60947-2 10000 cycles 440 V In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
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
Height	161 mm
Width	105 mm
Depth	86 mm
Product weight	2.2 kg

## 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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0819 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available <a href="#">Download End Of Life Manual</a>