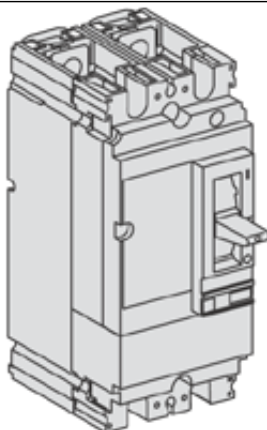


# 30600

circuit breaker Compact NS160N - TMD - 160  
A - 2 poles 2d



## Main

Device short name	Compact NS160N
Circuit breaker application	Distribution
Poles description	2P
Protected poles description	2t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	150 A ( 65 °C ) 160 A ( 40 °C )
[U <sub>i</sub> ] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2 750 V DC conforming to IEC 60947-2
Circuit breaker rating code	N
Breaking capacity	I <sub>cu</sub> 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 20 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA at 240 V AC 50/60 Hz conforming to UL 508 35 kA at 480 V AC 50/60 Hz conforming to UL 508 10 kA at 600 V AC 50/60 Hz conforming to UL 508
[I <sub>cs</sub> ] rated service breaking capacity	I <sub>cs</sub> 8 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 10 kA 600 V AC 50/60 Hz conforming to UL 508 I <sub>cs</sub> 20 kA 600 V AC 50/60 Hz conforming to NEMA AB1 HIC I <sub>cs</sub> 22 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 30 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 35 kA 480 V AC 50/60 Hz conforming to NEMA AB1 HIC I <sub>cs</sub> 35 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 35 kA 480 V AC 50/60 Hz conforming to UL 508 I <sub>cs</sub> 36 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 85 kA 240 V AC 50/60 Hz conforming to NEMA AB1 HIC I <sub>cs</sub> 85 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 85 kA 240 V AC 50/60 Hz conforming to UL 508
Suitability for isolation	Yes conforming to IEC 60947-2

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.

Utilisation category	Category A
Trip unit name	TM-D
Trip unit rating	160 A ( 40 °C )
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60947

### Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	40000 cycles
Electrical durability	20000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 10000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type Ir	Fixed
Long time pick-up adjustment range	0.8...1 x In
Long time delay adjustment type	Fixed
Instantaneous pick-up adjustment type li	Fixed
Instantaneous pick-up adjustment range	1250 A
Height	161 mm
Width	105 mm
Depth	86 mm

### Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA KEMA LCIE
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
RoHS EUR conformity date	0826
RoHS EUR status	Compliant