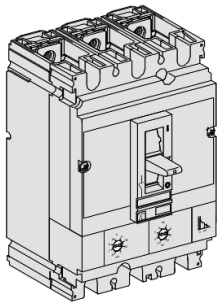


Product data sheet

Specifications



circuit breaker Compact NS160N - TMD - 40 A - 4 poles 3d

30645

ⓘ Discontinued

Main

Range Of Product	Compact NS100...630
Product Or Component Type	Circuit breaker
Device Short Name	Compact NS160N
Circuit Breaker Name	Compact NS160N
Device Application	Distribution
Poles Description	4P
Protected Poles Description	3t
Neutral Position	Left
Network Type	DC AC
Network Frequency	50/60 Hz
[In] Rated Current	150 A at 65 °C 160 A at 40 °C
[Ui] Rated Insulation Voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2 750 V DC conforming to IEC 60947-2
Breaking Capacity Code	N
Breaking Capacity	85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 600 V AC 50/60 Hz conforming to UL 508 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 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 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 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	8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 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
Suitability For Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category A
Trip Unit Name	TM-D

Disclaimer: 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

Trip Unit Technology	Thermal-magnetic
Trip Unit Rating	40 A at 40 °C
Protection Type	Short-circuit protection (magnetic) Overload protection (thermal)
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 conforming to IEC 60947-2 40000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection Pitch	35 mm
Neutral Protection Setting	No protection
Long Time Pick-Up Adjustment Type I _r	Adjustable
Long Time Pick-Up Adjustment Range	0.8...1 x I _n
Instantaneous Pick-Up Adjustment Type I _i	Fixed
Instantaneous Pick-Up Adjustment Range	500 A
Height	161 mm
Width	140 mm
Depth	86 mm

Environment

Standards	IEC 60947-2
Product Certifications	KEMA ASTA ASEFA 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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty	18 months
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