

Product data sheet

Specifications



circuit breaker Compact NSF150N - TMD - 80 A - 3 poles 3d

37646

! Discontinued

Main

Range of Product	NSF100...250
Product or Component Type	Circuit breaker
Device short name	Compact NSF150N
Circuit breaker name	Compact NSF150N
Device Application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network Frequency	50/60 Hz
Upside connection	Front
Downside connection	Front
Line Rated Current	150 A 104 °F (40 °C)
[Ui] rated insulation voltage	750 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kVIEC 60947-2
[Ue] rated operational voltage	500 V DC IEC 60947-2
Breaking capacity code	N
Breaking capacity	22 kA Icu 525 V AC 50/60 Hz IEC 60947-2 30 kA Icu 500 V AC 50/60 Hz IEC 60947-2 85 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2 35 kA Icu 440 V AC 50/60 Hz IEC 60947-2 36 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 50 kA Icu 250 V DC 1P IEC 60947-2 50 kA Icu 500 V DC 2P IEC 60947-2 8 kA Icu 600/690 V AC 50/60 Hz IEC 60947-2
[Ics] rated service breaking capacity	22 kA 525 V AC 50/60 Hz IEC 60947-2 30 kA 500 V AC 50/60 Hz IEC 60947-2 85 kA 220/240 V AC 50/60 Hz IEC 60947-2 35 kA 440 V AC 50/60 Hz IEC 60947-2 36 kA 380/415 V AC 50/60 Hz IEC 60947-2 50 kA 250 V DC IEC 60947-2 50 kA 500 V DC IEC 60947-2 8 kA 600/690 V AC 50/60 Hz IEC 60947-2
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 rating	68 A 158 °F (70 °C)
	72 A 140 °F (60 °C)
	76 A 122 °F (50 °C)
	80 A 104 °F (40 °C)
Protection Type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 IEC 60529

Complementary

Control Type	Toggle
Mounting Mode	Fixed
Mounting Support	Backplate
Connection pitch	1.4 in (35 mm)
Local signalling	Positive contact indication
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	1000 A
Height	6.3 in (161 mm)
Width	4.1 in (105 mm)
Depth	3.4 in (86 mm)

Environment

Standards	IEC 60947-2
Product Certifications	ASTA KEMA LCIE ASEFA
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 60529
Ambient Air Temperature for Operation	68...158 °F (20...70 °C)

Ordering and shipping details

Category	39997-CANADIAN PRODUCTS
Discount Schedule	NET
GTIN	3303430376460
Returnability	No
Country of origin	FR



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.