

# Product datasheet

Specifications



## circuit breaker Compact NS250L - TMD - 125 A - 3 poles 3d

31713

! Discontinued

### Main

Range of product	Compact NS100...630
Product or component type	Circuit breaker
Device short name	Compact NS250L
Circuit breaker name	Compact NS250L
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	DC AC
Network frequency	50/60 Hz
[In] rated current	220 A at 65 °C 250 A at 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
Breaking capacity code	L
Breaking capacity	130 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 200 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 50 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>cs</sub> ] rated service breaking capacity	130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 70 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
Trip unit technology	Thermal-magnetic
Trip unit rating	125 A
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)

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Pollution degree	3 conforming to IEC 60947
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## Complementary

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

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Standards	IEC 60947-2
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Product certifications	ASEFA LCIE KEMA ASTA
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IP degree of protection	IP40 conforming to IEC 60529
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IK degree of protection	IK07 conforming to EN 50102
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Ambient air temperature for operation	-25...70 °C
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Ambient air temperature for storage	-50...85 °C
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## Contractual warranty

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Warranty (in months)	18
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## 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