

Product datasheet

Specifications



circuit breaker Compact NS125E - TMD - 80 A - 4 poles 4d

34652

! Discontinued

Main

Range of product	Compact NS100...630
Product or component type	Circuit breaker
Device short name	Compact NS125E
Circuit breaker name	Compact NS125E
Device application	Distribution
Poles description	4P
Protected poles description	4t
Neutral position	Left
Network type	DC AC
Network frequency	50/60 Hz
[In] rated current	125 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	500 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	E
Breaking capacity	5 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 5 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 10 kA Icu at 415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 16 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 6 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	3 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 415 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 220/240 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	80 A at 40 °C
Protection type	Protection of the fourth pole Short-circuit protection (magnetic) Overload protection (thermal)

Pollution degree	3 conforming to IEC 60947
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Complementary

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	10000 cycles
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Electrical durability	6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 6000 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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Neutral protection setting	1 x Ir
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Long time pick-up adjustment type Ir	Fixed
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Long time pick-up adjustment range	0.8...1 x In
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Instantaneous pick-up adjustment type Ii	Fixed
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Instantaneous pick-up adjustment range	1000 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

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

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