



Main

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

Protection of the fourth pole
 Earth-leakage protection
 Overload protection (thermal)

Earth-leakage add-on module name	MH
Earth-leakage protection	With
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	10000 cycles
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
Connection pitch	35 mm
Local signalling	Positive contact indication
Neutral protection setting	1 x Ir
Long time pick-up adjustment type Ir	Fixed
Long time pick-up adjustment range	0.8...1 x In
Instantaneous pick-up adjustment type Ii	Fixed
Instantaneous pick-up adjustment range	1000 A
Earth-leakage protection class	Class A
Residual earth-leakage sensitivity adjustment type	Adjustable
[IΔn] residual earth-leakage sensitive adjustment	3 A 1 A 0.03 A 0.3 A 10 A
Residual earth-leakage time delay adjustment type	Adjustable
Height	236 mm
Width	140 mm
Depth	86 mm
Compatibility code	NS125

Environment

Standards	IEC 60947-2
Product certifications	ASTA ASEFA LCIE KEMA
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

Contractual warranty

Warranty period	18 months
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