



Main

Range	Compact
Range of product	NR100...250
Product or component type	Circuit breaker
Product name	Compact NR
Device short name	Vigicompact NR160F
Circuit breaker name	Vigicompact NR160F
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	160 A (40 °C)
[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	F
Breaking capacity	25 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-3 35 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	160 A
Protection type	Overload protection (long time)
Pollution degree	3 conforming to IEC 60529

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Local signalling	Positive contact indication
Long time pick-up adjustment type Ir	Adjustable

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

Long time pick-up adjustment range	0.8...1 x I _n
Instantaneous pick-up adjustment type	Fixed
Instantaneous pick-up adjustment range	1250
Residual earth-leakage sensitivity adjustment type	Adjustable
[I _{Δn}] residual earth-leakage sensitive adjustment	0.03...10 A
Residual earth-leakage time delay adjustment type	Adjustable
Height	236 mm
Width	105 mm
Depth	86 mm
Compatibility code	NR160

Environment

Standards	IEC 60947-2
Product certifications	ASEFA KEMA ASTA LCIE
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 60529
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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