



Main

Range	Compact
Range of product	NR100...250
Product or component type	Circuit breaker
Product name	Compact NR
Device short name	Compact NR100F
Circuit breaker name	Compact NR100F
Device application	Distribution
Poles description	4P
Protected poles description	3t
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
[In] rated current	100 A (40 °C)
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 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 380/415 V AC 50/60 Hz conforming to IEC 60947-2 15 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 35 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC
[Ics] rated service breaking capacity	Ics 15 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 11.25 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 18.75 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 26.25 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	25 A (40 °C)
Protection type	Overload protection (long time)
Pollution degree	3 conforming to IEC 60529

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

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	25000 cycles
Electrical durability	Category A : 10000 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Neutral protection setting	No protection
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	300 A
Height	161 mm
Width	140 mm
Depth	86 mm
Compatibility code	NR100

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA LCIE KEMA
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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