LV433557

circuit breaker Compact NSX250HB1 - Micrologic 6.2 E - 160 A - 4 poles 4d

Green Premium

Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX250HB1
Device application	Distribution
Poles description	4P
Protected poles description	3t 3t + N/2 3t + OSN 4t
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
[In] rated current	250 A (40 °C)
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	690 V AC 50/60 Hz
Breaking capacity code	HB1 (75 kA) AC
Breaking capacity	75 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 80 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 75 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 85 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 80 kA 525 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	Micrologic 6.2 E
Trip unit technology	Electronic
Trip unit protection functions	LSIG

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Trip unit rating	160 A (40 °C)
Protection type	Ground fault protection Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection
Pollution degree	3 conforming to IEC 60664-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Auxiliary contact composition	Without
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 440 V In conforming to IEC 60947-2 10000 cycles 690 V In/2 conforming to IEC 60947-2 20000 cycles 440 V In/2 conforming to IEC 60947-2 5000 cycles 690 V In conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	LED 105 % Ir LED 90 % Ir LED ready
Neutral protection setting	0.5 x Ir 3t + N/2 1 x Ir 4t 1.6 x Ir 3t + OSN No protection 3t
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	63...160 A
Long time delay adjustment type	Adjustable
[Tr] long-time delay adjustment range	15...400 s 1.5 x Ir 0.35...11 s 7.2 x Ir 0.5...16 s 6 x Ir
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type Isd	Adjustable
[Isd] short-time pick-up adjustment range	1.5...15 x In
Short-time delay adjustment type	Adjustable 5 settings
[Tsd] short-time delay adjustment range	0...0.4 s
Instantaneous pick-up adjustment type Ii	Adjustable
Instantaneous pick-up adjustment range	1.5...15 x In
Ground-fault pick-up adjustment type	Adjustable 9 settings
Ground-fault time delay adjustment type -tg	Adjustable 5 settings
[Tg] ground-fault time delay adjustment range	0...0.4 s
[Ig] ground-fault pick-up adjustment range	32...160 A
Zone selective interlocking ZSI	With
Communication of data	Demand current and power Energy metering Instantaneous and demand values Maintenance indicators Maximeters/Minimeters Power quality Protection and alarm settings Time-stamped histories and event tables
Display type	LCD display

Type of measurement	Energy meter
Electrical data recording	Maintenance indicators
Height	161 mm
Width	140 mm
Depth	86 mm
Product weight	2.8 kg

Environment

Overvoltage category	Class II
Electrical shock protection class	Class II
Standards	EN/IEC 60947
Product certifications	CCC Marine EAC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0819 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months 18 months