Product data sheet
Characteristics

LV429934
circuit breaker, VigiComPact NSX100F, 36kA at 415VAC, TM-D trip unit, 40A, add-on Vigi MH module, 3P 3d



⚠ End of Commercialisation

Commercial status
End of Commercialisation : MAR 30, 2022

Main

Range	ComPact
Product name	ComPact NSX
Range of product	ComPact NSX100...250
Device short name	VigiCompact NSX100F
Product or component type	Circuit breaker with Vigi add-on
Device application	Distribution
Poles description	3P
Protected poles description	3t
[In] rated current	40 A at 40 °C
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
Breaking capacity	10 KA at 600 V AC 50/60 Hz conforming to UL 508 25 KA at 480 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	F 36 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 KV
[Ics] rated service breaking capacity	11 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 4 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 12.5 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	50000 Cycles
Electrical durability	10000 Cycles at 690 V In 20000 Cycles at 690 V In/2 30000 Cycles at 440 V In 50000 Cycles at 440 V In/2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 Mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	40 A at 40 °C
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	120…400 S at 1.5 x In 15 S at 6 x Ir
Short-time pick-up adjustment type Isd	Fixed
[Isd] short-time pick-up adjustment range	500 A
Short-time delay adjustment type	Fixed
Earth-leakage protection	With
Earth-leakage add-on module name	MH
Earth-leakage protection class	Class A
Residual earth-leakage sensitity adjustment type	Adjustable 5 settings
[IΔn] residual earth-leakage sensitive adjustment	0.03…10 A
Residual earth-leakage time delay adjustment type	Adjustable 4 settings
Number of slots	6 slot(s)
Width	105 Mm
Height	236 Mm
Depth	86 Mm
Net weight	2.05 Kg

Environment

Standards	EN/IEC 60947
Product certifications	CCC[RETURN]EAC[RETURN]Marine
Overvoltage category	Class II
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-50…85 °C
Relative humidity	0…95 %
Operating altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14 Cm
Package 1 Width	19.5 Cm
Package 1 Length	25.62 Cm
Package 1 Weight	3.017 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
EU RoHS Directive	Compliant
PVC free	Yes

Product Life Status : End of commerc. - Block

LV429934 may be replaced by any of the following products:



C11F34V050L

Circuit breaker, ComPacT NSXm 63F, 36kA/415VAC, 3 poles, MicroLogic 4.1 trip unit 50A, EverLink lugs

Qty 1

Substitution date: |