

Product datasheet

Specifications



Switch-disconnector fuse body INFD 3 poles 3F - DIN - 160 A- lateral handle

49544

 **Discontinued on:** 1 Nov 2020

 **Discontinued**

Price: 260,069.32 NGN

Main

Range Of Product	INF100...160
Range	FuPact
Product Name	Fupact INF
Device Short Name	INFD160
Product Or Component Type	Switch-disconnector-fuse
Device Application	Protection
Poles Description	3P
Protected Poles Description	3f
Fuse Type	DIN
Fuse Size	NH000 NH00
Network Type	AC DC
Network Frequency	50/60 Hz

Complementary

Control Type	Without handle
Rotary Handle Mounting Location	Lateral
Rotary Handle Mounting Style	Extended
Mounting Support	DIN rail, with specific accessories Mounting plate

[Ie] Rated Operational Current	AC-22A: 160 A at 220/240 V AC 50/60 Hz AC-22A: 160 A at 380/415 V AC 50/60 Hz AC-22A: 160 A at 440/480 V AC 50/60 Hz AC-22A: 160 A at 500/525 V AC 50/60 Hz AC-22A: 160 A at 660/690 V AC 50/60 Hz AC-23A: 160 A at 220/240 V AC 50/60 Hz AC-23A: 160 A at 380/415 V AC 50/60 Hz AC-23A: 160 A at 440/480 V AC 50/60 Hz AC-23A: 160 A at 500/525 V AC 50/60 Hz AC-23B: 160 A at 660/690 V AC 50/60 Hz DC-22A: 100 A at 500 V DC (4 poles in series) DC-22A: 160 A at 125 V DC (2 poles in series) DC-22A: 160 A at 250 V DC (2 poles in series) DC-23A: 100 A at 500 V DC (4 poles in series) DC-23A: 160 A at 125 V DC (2 poles in series) DC-23A: 160 A at 250 V DC (2 poles in series)
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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

[Ith] Conventional Free Air Thermal Current	103 A (70 °C) horizontal
	111 A (65 °C) horizontal
	112 A (70 °C) vertical
	118 A (60 °C) horizontal
	120 A (65 °C) vertical
	126 A (55 °C) horizontal
	128 A (60 °C) vertical
	133 A (50 °C) horizontal
	136 A (55 °C) vertical
	140 A (45 °C) horizontal
	144 A (50 °C) vertical
	148 A (40 °C) horizontal
	152 A (45 °C) vertical
	156 A (35 °C) horizontal
	160 A (40 °C) power dissipation per fuse: 12 W
	160 A (40 °C) vertical
[Ithe] Conventional Enclosed Thermal Current	135 A at 40 °C, Power dissipation per fuse: 12 W (300 mm x 350 mm x 200 mm)
	160 A at 40 °C, Power dissipation per fuse: 10 W (300 mm x 350 mm x 200 mm)
Maximum Power	110 kW at 500/525 V AC 50/60 Hz
	132 kW at 660/690 V AC 50/60 Hz
	45 kW at 220/240 V AC 50/60 Hz
	80 kW at 380/400 V AC 50/60 Hz
	90 kW at 415 V AC 50/60 Hz
Rated Duty	Uninterrupted
Intermittent Duty Class	Class 120 - 60 %
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
	1000 V DC
[Uimp] Rated Impulse Withstand Voltage	12 kV
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
	690 V AC 50/60 Hz AC-20
	690 V DC DC-20
	500 V DC
[Im] Rated Making And Breaking Capacity	Icm 105 kA at 690 V conforming to DIN (with fuse)
	Icm 176 kA at 415 V conforming to BS (with fuse)
	Icm 220 kA at 500 V conforming to DIN (with fuse)
	Icn 100 kA at 500 V conforming to DIN (with fuse)
	Icn 50 kA at 690 V conforming to DIN (with fuse)
	Icn 80 kA at 415 V conforming to BS (with fuse)
	Icm 15 kA at 690 V (without fuse)
	Icm 22 kA at 415 V (without fuse)
	Icm 22 kA at 500 V (without fuse)
Suitability For Isolation	Yes
Contact Position Indicator	Yes
Contact Operation	Double-break

Environment

Mechanical Durability	10000 cycles
Electrical Durability	AC-22A: 1500 cycles 500 V AC 50/60 Hz
	AC-22A: 1500 cycles 690 V AC 50/60 Hz
	AC-23A: 1500 cycles 500 V AC 50/60 Hz
	AC-23A: 1500 cycles 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	5 kA for 1 s
	0.95 kA for 30 s
	1.15 kA for 20 s
	2.9 kA for 3 s
Design	Horizontal design
Tightening Torque	15...22 N.m for terminal
Height	140 mm
Width	180 mm

Depth	130 mm
Standards	EN/IEC 60269-1 EN/IEC 60947-5 EN/IEC 60269-4 EN/IEC 60947-1 EN/IEC 60947-3
Product Certifications	KEMA-KEUR
Ip Degree Of Protection	IP20 conforming to IEC 60529 IP65 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to EN 50102 IK10 conforming to EN 50102
Pollution Degree	3
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-50...85 °C

Contractual warranty

Warranty	18 months
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