

Product datasheet

Specifications



Switch-disconnector fuse body INFD 4 poles 3F - DIN - 250 A- front handle

49548

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

Main

Range Of Product	INF200...800
Range	FuPact
Product Name	Fupact INF
Device Short Name	INFD250
Product Or Component Type	Switch-disconnector-fuse
Device Application	Protection
Poles Description	4P
Protected Poles Description	3f
Fuse Type	DIN
Fuse Size	NH0 NH1
Network Type	DC AC
Network Frequency	50/60 Hz

Complementary

Control Type	Rotary handle
Rotary Handle Mounting Location	Front
Rotary Handle Mounting Style	Extended Direct
Handle Colour	Black
Handle Front Plate Colour	Black
Provision For Padlocking	3 padlocks
Mounting Support	Mounting plate

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

[Ie] Rated Operational Current	AC-22A: 250 A at 220/240 V AC 50/60 Hz AC-22A: 250 A at 380/415 V AC 50/60 Hz AC-22A: 250 A at 440/480 V AC 50/60 Hz AC-22A: 250 A at 500/525 V AC 50/60 Hz AC-22A: 250 A at 660/690 V AC 50/60 Hz AC-23A: 250 A at 220/240 V AC 50/60 Hz AC-23A: 250 A at 380/415 V AC 50/60 Hz AC-23A: 250 A at 440/480 V AC 50/60 Hz AC-23A: 250 A at 500/525 V AC 50/60 Hz AC-23A: 250 A at 660/690 V AC 50/60 Hz DC-22A: 250 A at 125 V DC (2 poles in series) DC-22A: 250 A at 250 V DC (2 poles in series) DC-22A: 250 A at 500 V DC (3 poles in series) DC-22A: 250 A at 750 V DC (3 poles in series) DC-23A: 250 A at 125 V DC (2 poles in series) DC-23A: 250 A at 250 V DC (2 poles in series) DC-23A: 250 A at 500 V DC (3 poles in series) DC-23A: 250 A at 750 V DC (3 poles in series)
[Ith] Conventional Free Air Thermal Current	161 A (70 °C) horizontal 172 A (65 °C) horizontal 175 A (70 °C) vertical 184 A (60 °C) horizontal 187 A (65 °C) vertical 195 A (55 °C) horizontal 200 A (60 °C) vertical 207 A (50 °C) horizontal 212 A (55 °C) vertical 218 A (45 °C) horizontal 225 A (50 °C) vertical 230 A (40 °C) horizontal 237 A (45 °C) vertical 242 A (35 °C) horizontal 250 A (40 °C) power dissipation per fuse: 32 W 250 A (40 °C) vertical
[Ithe] Conventional Enclosed Thermal Current	230 A at 40 °C, Power dissipation per fuse: 27 W (600 mm x 350 mm x 300 mm) 250 A at 40 °C, Power dissipation per fuse: 23 W (600 mm x 350 mm x 300 mm)
Maximum Power	132 kW at 380/400 V AC 50/60 Hz 140 kW at 415 V AC 50/60 Hz 170 kW at 500/525 V AC 50/60 Hz 230 kW at 660/690 V AC 50/60 Hz 70 kW at 220/240 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 1000 V AC 50/60 Hz AC-20 1000 V DC DC-20 750 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 35 kA at 690 V (without fuse) Icm 40 kA at 415 V (without fuse) Icm 40 kA at 500 V (without fuse)
Suitability For Isolation	Yes
Contact Position Indicator	Yes
Contact Operation	Double-break

Environment

Mechanical Durability	8000 cycles
-----------------------	-------------

Electrical Durability	AC-22A: 1000 cycles 500 V AC 50/60 Hz AC-22A: 1000 cycles 690 V AC 50/60 Hz AC-23A: 1000 cycles 500 V AC 50/60 Hz AC-23A: 1000 cycles 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	8 kA for 1 s 1.5 kA for 30 s 1.8 kA for 20 s 4.65 kA for 3 s
Design	Horizontal design
Tightening Torque	30...44 N.m for terminal
Height	162 mm
Width	340 mm
Depth	199 mm
Standards	EN/IEC 60947-3 EN/IEC 60269-4 EN/IEC 60947-5 EN/IEC 60947-1 EN/IEC 60269-1
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
----------	-----------