



Main

Range of product	INFD40
Range	FuPact
Product name	Fupact INF
Device short name	INFD40
Product or component type	Switch-disconnector-fuse
Device application	Protection
Poles description	4P
Protected poles description	3f
Fuse type	DIN
Fuse size	NH000
Network type	DC AC
Network frequency	50/60 Hz

Complementary

Control type	Without handle
Rotary handle mounting location	Front
Rotary handle mounting style	Extended Direct
Provision for padlocking	Padlockable
Mounting mode	Vertical - horizontal
Mounting support	DIN rail, with specific accessories Mounting plate
[Ie] rated operational current	AC-22A: 40 A AC 50/60 Hz 220/240 V AC-22A: 40 A AC 50/60 Hz 380/415 V AC-22A: 40 A AC 50/60 Hz 440/480 V AC-22A: 40 A AC 50/60 Hz 500/525 V AC-22A: 40 A AC 50/60 Hz 660/690 V AC-23A: 40 A AC 50/60 Hz 220/240 V AC-23A: 40 A AC 50/60 Hz 380/415 V

AC-23A: 40 A AC 50/60 Hz 440/480 V
AC-23A: 40 A AC 50/60 Hz 500/525 V
AC-23A: 40 A AC 50/60 Hz 660/690 V
DC-22B: 40 A DC 220 V 2 poles in series
DC-23B: 40 A DC 220 V 4 poles in series
DC-21B: 40 A DC 440 V 4 poles in series

[Ith] conventional free air thermal current	24 A (70 °C) horizontal 26 A (65 °C) horizontal 28 A (60 °C) horizontal 28 A (70 °C) vertical 30 A (55 °C) horizontal 30 A (65 °C) vertical 32 A (50 °C) horizontal 32 A (60 °C) vertical 34 A (55 °C) vertical 36 A (40 °C) horizontal 38 A (45 °C) vertical 40 A (40 °C) vertical 34 A (50 °C) vertical 36 A (45 °C) horizontal 40 A (35 °C) horizontal
[Ithe] conventional enclosed thermal current	40 A at 40 °C, Power dissipation per fuse: 4.5 W (300 mm x 350 mm x 200 mm)
Maximum power	11 kW at 220/240 V AC 50/60 Hz 22 kW at 500/525 V AC 50/60 Hz 30 kW at 660/690 V AC 50/60 Hz 18.5 kW at 380/400 V AC 50/60 Hz 18.5 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	250 V DC 690 V AC 50/60 Hz 690 V AC 50/60 Hz AC-20 690 V DC DC-20
[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 6 kA at 690 V (without fuse) Icm 9 kA at 415 V (without fuse) Icm 7.5 kA at 500 V (without fuse)
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No
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	1 kA for 1 s 0.18 kA for 30 s 0.22 kA for 20 s 0.57 kA for 3 s
Design	Horizontal design
Connections terminals	Screw clamp terminals
Connections - terminals	Screw clamp terminals 40 A 2.5...25 mm ² flexible Screw clamp terminals 40 A 2.5...25 mm ² rigid
Tightening torque	2 N.m for terminal

Height	100 mm
Width	138 mm
Depth	120.5 mm
Standards	EN/IEC 60269-1 EN/IEC 60269-4 EN/IEC 60947-3 EN/IEC 60947-1 EN/IEC 60947-5
Product certifications	CCC
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

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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