



Main

Range of product	INF100...160
Range	FuPact
Product name	Fupact INF
Device short name	INFB160
Product or component type	Switch-disconnector-fuse
Device application	Protection
Poles description	3P
Protected poles description	3f
Fuse type	BS
Fuse size	A4 A2 A3
Network type	DC AC
Network frequency	50/60 Hz

Complementary

Control type	Without handle
Rotary handle mounting location	Front
Rotary handle mounting style	Direct Extended
Provision for padlocking	Padlockable
Mounting mode	Vertical - horizontal
Mounting support	DIN rail, with specific accessories Mounting plate
[Ie] rated operational current	AC-22A: 160 A AC 50/60 Hz 220/240 V AC-22A: 160 A AC 50/60 Hz 380/415 V AC-22A: 160 A AC 50/60 Hz 440/480 V AC-22A: 160 A AC 50/60 Hz 500/525 V AC-22A: 160 A AC 50/60 Hz 660/690 V

	AC-23A: 160 A AC 50/60 Hz 220/240 V AC-23A: 160 A AC 50/60 Hz 380/415 V AC-23A: 160 A AC 50/60 Hz 440/480 V AC-23A: 160 A AC 50/60 Hz 500/525 V DC-22B: 125 A DC 220 V 2 poles in series DC-23B: 125 A DC 220 V 2 poles in series DC-21B: 125 A DC 440 V 4 poles in series AC-23A: 160 A AC 50/60 Hz 660/690 V
[Ith] conventional free air thermal current	128 A (60 °C) vertical 160 A (40 °C) vertical 113 A (70 °C) horizontal 121 A (65 °C) horizontal 113 A (70 °C) vertical 128 A (60 °C) horizontal 121 A (65 °C) vertical 135 A (55 °C) horizontal 142 A (50 °C) horizontal 135 A (55 °C) vertical 142 A (50 °C) vertical 148 A (45 °C) horizontal 154 A (40 °C) horizontal 148 A (45 °C) vertical 160 A (35 °C) horizontal
[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
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	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
Connections terminals	Screw connection
Connections - terminals	Screw connection M8 160 A

Tightening torque	15...22 N.m for terminal
Height	140 mm
Width	148 mm
Depth	114.5 mm
Standards	EN/IEC 60947-3 EN/IEC 60947-5 EN/IEC 60269-1 EN/IEC 60947-1 EN/IEC 60269-4
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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