Product data sheet
Characteristics

MVS25N3NF5L
EP MVS CB 2500A 50kA 3P EF 240VAC ET5 fixed electrical circuit breaker



Main

Range of product	EasyPact MVS
Range	EasyPact
Product name	MVS25N
Device short name	MVS25N
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3P 3d
Network type	AC
Breaking capacity code	N
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B
Trip unit name	ET5S
Trip unit technology	Electronic
Trip unit rating	2500 A

Complementary

Network frequency	50/60 Hz
Control type	Electrically operated
Mounting mode	Fixed
Mounting support	Base plate Rail
Connection position	Horizontal Vertical
Location of connection	Rear
[In] rated current	2500 A at 40 °C
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	12 KV conforming to IEC 60947-2
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	2500 A
Breaking capacity	50 KA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	50 KA (Ics) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 Cycles (with maintenance) conforming to IEC 60947-2 10000 Cycles (without maintenance) conforming to IEC 60947-2

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Electrical durability	Category B: 5000 cycles 440 V AC 50/60 Hz without maintenance conforming- to IEC 60947-2 Category B: 2500 cycles 690 V AC 50/60 Hz without maintenance conforming- to IEC 60947-2
Connection pitch	115 Mm without spreader
Contact position indicator	Yes
[Icm] rated short-circuit making capacity	105 KA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] rated short-time withstand current	50 KA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 42 KA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 25 KA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit protection functions	LSI
Protection type	Short time short-circuit protection Instantaneous short-circuit protection Overload protection (long time)
Fault indication	Internal fault Overload Short-circuit
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.4...1 x In
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	0.5…24 S at 6 x Ir
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable 5 settings
[tsd] short-time delay adjustment range	100…400 Ms
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	2...15 x In Off
Zone selective interlocking ZSI	With
Current sensor rating range	1000/4000 A
Maximum breaking time	25 Ms
Maximum closing response time	70 Ms
Height	352 Mm
Width	422 Mm
Depth	297 Mm
Net weight	60 Kg

Environment

Standards	IEC 60947-2
Product certifications	GOST IEC CCS CCC
IP degree of protection	IP40
Pollution degree	4 conforming to IEC 60664-1
Ambient air temperature for operation	-5…70 °C
Ambient air temperature for storage	-40…85 °C without control unit -25…85 °C with control unit

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	58.5 Kg
Package 1 Height	59 Cm
Package 1 width	67 Cm
Package 1 Length	77.5 Cm

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Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months

Product Life Status : Commercialised

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