Product datasheet

Specification





Circuit breaker, EasyPact MVS, 3 Poles, 1000A, 50kA, MDO, ETA6, drawout, manual

MVS10N3MW6A

Main

Range	EasyPact	
Product name	MVS10N	
Device short name	MVS10N	
Product or component type	Circuit breaker	
Device application	Distribution	
poles description 3P		
Protected poles description	3P 3d	
[In] rated current	1000 A at 40 °C	
network type	AC	
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2	
Breaking capacity code	N	
Suitability for isolation	Yes conforming to IEC 60947-2	
Utilisation category	ory Category B	
Trip unit name	ETA6G	
Trip unit technology	echnology Electronic	
rip unit rating 1000 A		

Complementary

Network frequency	50/60 Hz	
Control type	Manually operated	
Mounting mode	Drawout	
Mounting support	Rail Base plate	
Connection position	Horizontal Vertical	
Location of connection	Rear	
[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	
circuit breaker CT rating	1000 A	
Breaking capacity	50 kA lcu at 220440 V AC 50/60 Hz conforming to IEC 60947-2	
[Ics] rated service breaking capacity	50 kA (Ics) at 220440 V AC 50/60 Hz conforming to IEC 60947-2	

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Mechanical durability	20000 cycles (with maintenance) conforming to IEC 60947-2 10000 cycles (without maintenance) conforming to IEC 60947-2
Electrical durability	Category B: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC
	60947-2 Category B: 4000 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 (lcm) at 220440 V AC 50/60 Hz conforming to IEC 60947-2
[lcw] rated short-time withstand current	50 kA (1 s) at 220440 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	LSIG
Protection type	Short time short-circuit protection Earth fault Instantaneous short-circuit protection Overload protection (long time)
Fault indication	Overload Internal fault Short-circuit Earth fault
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.41 x ln
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	0.524 s at 6 x lr
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.510 x lr
Short-time delay adjustment type	Adjustable 5 settings
[tsd] short-time delay adjustment range	100400 ms
Instantaneous pick-up adjustment type li	Adjustable 9 settings
instantaneous pick-up adjustment range	215 x ln Off
ground-fault pick-up adjustment type	Adjustable 9 settings
ground-fault time delay adjustment type -tg	Adjustable 5 settings
[tg] ground-fault time delay adjustment range	100400 ms
[lg] ground-fault pick-up adjustment range	0.21 x ln
Zone selective interlocking ZSI	With
Display type	Digital display
type of measurement	Current
Current sensor rating range	400/2000 A
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	439 mm
Width	441 mm
Depth	395 mm

Net weight 70 kg

Environment

Standards	IEC 60947-2	
Product certifications	IEC	
	GOST	
	CCS	
	CCC	
Pollution degree	4 conforming to IEC 60664-1	
IP degree of protection	IP40	
Ambient air temperature for operation	-570 °C	
Ambient air temperature for	-4085 °C without control unit	
storage	-2585 °C with control unit	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	42.0 cm
Package 1 Width	35.0 cm
Package 1 Length	50.0 cm
Package 1 Weight	38.0 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

	Mercury Free	
⊘	Rohs Exemption Information	Yes
⊘	Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information