

# Product data sheet

Specifications



## Circuit breaker, EasyPact MVS, 3 Poles, 4000A, 50kA, EDO, ETV2, drawout, electrical

MVS40N3NW2V

### Main

Range	EasyPact
Product name	MVS40N
Device short name	MVS40N
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3P 3d
[In] rated current	4000 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	Category B
Trip unit name	ETV2I
Trip unit technology	Electronic
Trip unit rating	4000 A

### Complementary

Network frequency	50/60 Hz
Control type	Electrically operated
Mounting mode	Drawout
Mounting support	Base plate Rail
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	4000 A
Breaking capacity	55 kA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2

[Ics] rated service breaking capacity	55 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
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	121 kA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] rated short-time withstand current	42 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 55 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit protection functions	LI
Protection type	Overload protection (long time) Instantaneous short-circuit protection
Fault indication	Overload Internal fault 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
Thermal memory	20 minutes before and after tripping
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	1.5...10 x Ir
Zone selective interlocking ZSI	With
Display type	Digital display
Type of measurement	Voltage
Current sensor rating range	1000/4000 A
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	439 mm
Width	441 mm
Depth	395 mm
Net weight	90 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	-5...70 °C

Ambient air temperature for storage	-40...85 °C without control unit -25...85 °C with control unit
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Packing Units

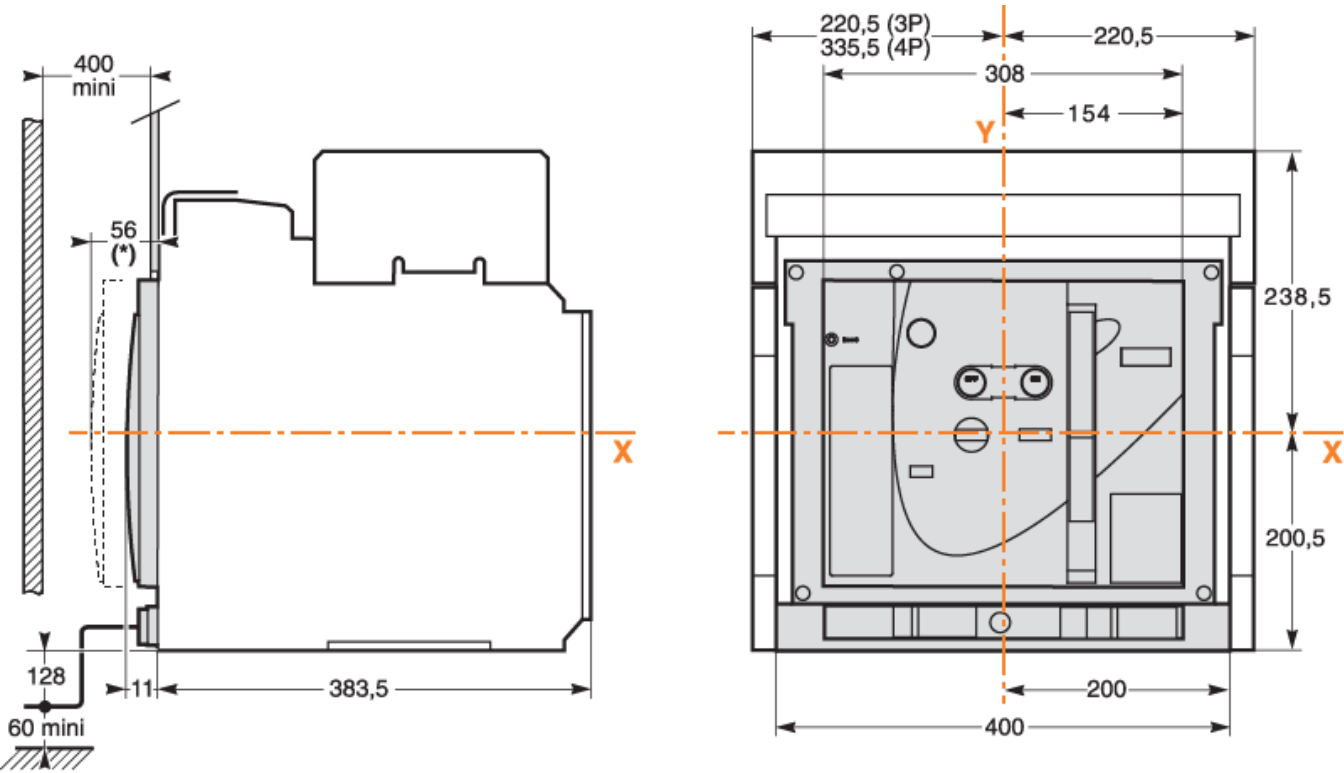
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	42.0 cm
Package 1 Width	35.0 cm
Package 1 Length	50.0 cm
Package 1 Weight	38.0 kg

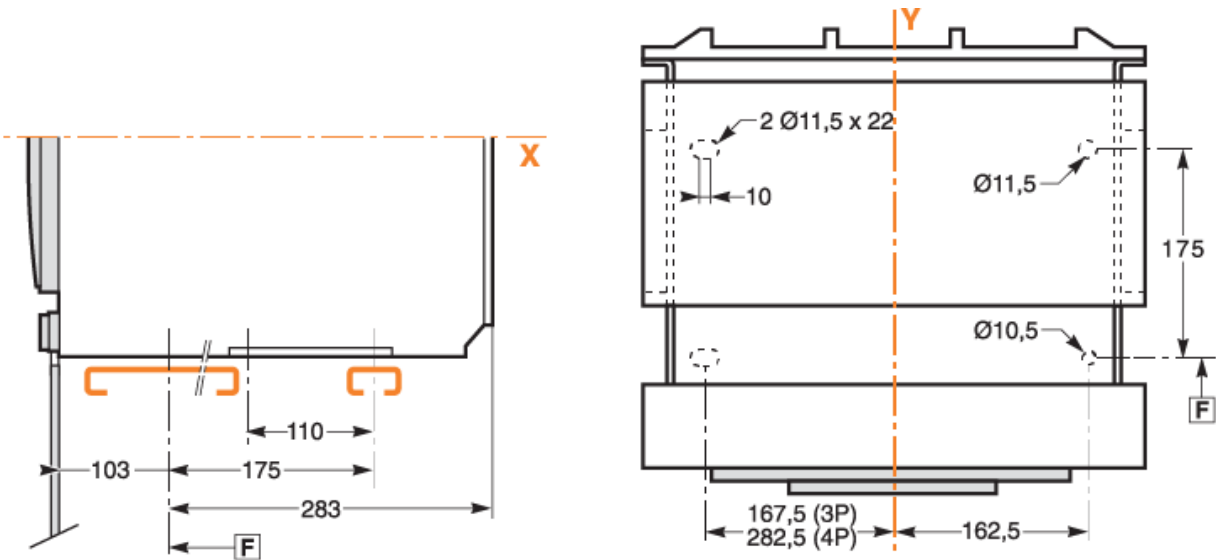
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

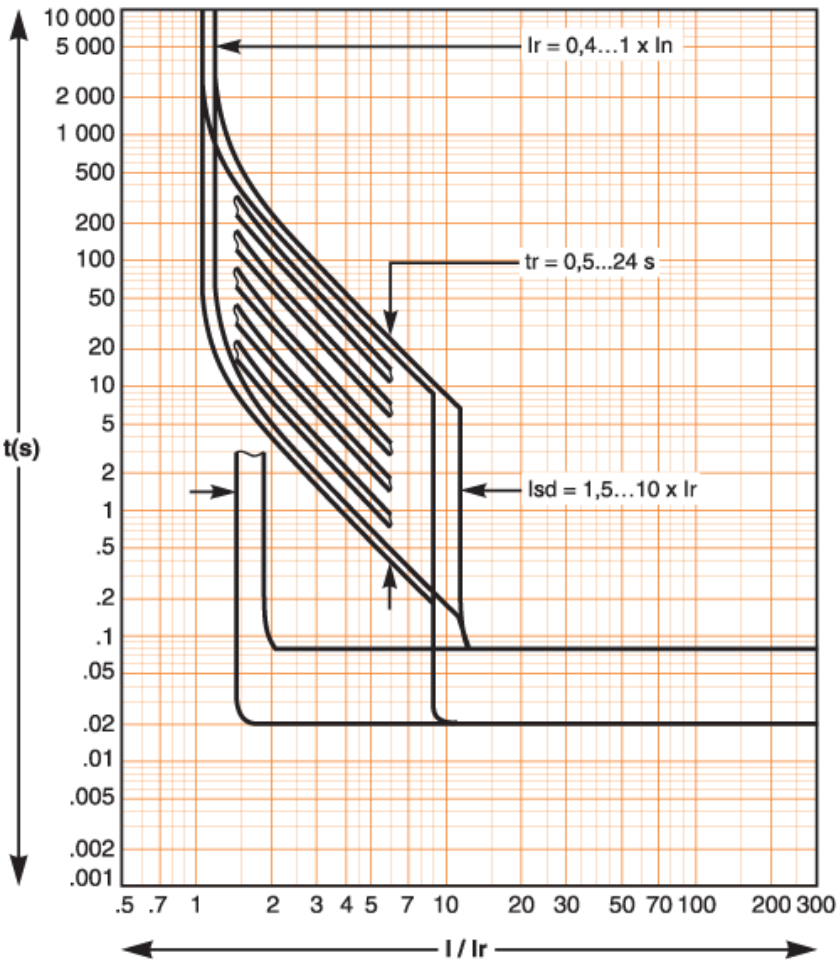
Contractual warranty

Warranty	18 months
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Performance Curves



Recommended replacement(s)