



Figure similar

Motor circuit breaker, 4-6A, 1NO+1NC, for motor protection, with screw terminal

product brand name	SINOV
product designation	Circuit breaker
design of the product	for motor protection
product type designation	3MV8
<b>General technical data</b>	
power loss [W] total typical	7 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
protection class IP	
• on the front	IP20
• of the terminal	IP20
shock resistance according to IEC 60068-2-27	25g / 11 ms
Weight	0.29 kg
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-20 ... +55 °C
• during transport	-25 ... +70 °C
<b>Main circuit</b>	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release initial value	4 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current rated value	6 A
operational current at AC-3 at 400 V rated value	6 A
operating frequency at AC-3 maximum	25 1/h
<b>Protective and monitoring functions</b>	
trip class	CLASS 10A
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu) at AC at 400 V rated value	100 kA
operating short-circuit current breaking capacity (Ics) at AC at 400 V rated value	100 kA
response value current of instantaneous short-circuit trip unit	72 A
<b>Short-circuit protection</b>	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
<b>Installation/ mounting/ dimensions</b>	

<b>mounting position</b>	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 90°)
<b>fastening method</b>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022
<b>height</b>	86 mm
<b>width</b>	54 mm
<b>depth</b>	70 mm
required spacing for grounded parts	
• forwards	70 mm
• backwards	0 mm
• upwards	20 mm
• at the side	9 mm
• downwards	20 mm
<b>Connections/ Terminals</b>	
type of electrical connection for main current circuit	screw-type terminals
<b>arrangement of electrical connectors for main current circuit</b>	Top and bottom
type of connectable conductor cross-sections for main contacts	
• solid or stranded	2x (1 ... 6 mm²)
• finely stranded with core end processing	2x (1 ... 4 mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid or stranded	2x (0.5 ... 2.5 mm²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm²)
<b>tightening torque</b>	
• for main contacts with screw-type terminals	1 ... 1.5 N·m
• for auxiliary contacts with screw-type terminals	0.8 ... 1.2 N·m
<b>Electrical Safety</b>	
<b>touch protection against electrical shock</b>	finger-safe
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	other

[Confirmation](#)



EG-Konf.



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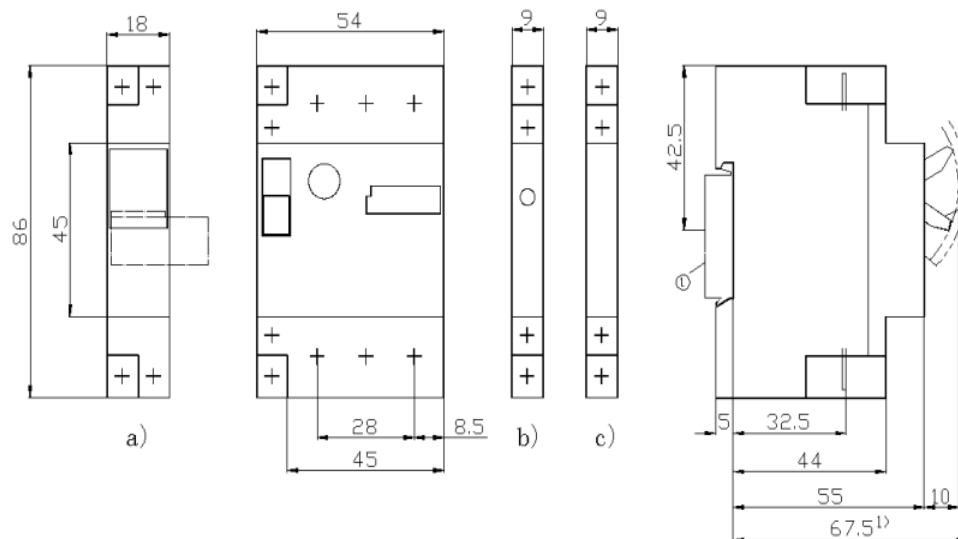
[Confirmation](#)

## Environment

[Environmental Confirmations](#)

## Further information

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/products?pnid=16027&lc=en-CN>



a) 欠压脱扣器或分励脱扣器  
和/或  
b) 短路故障显示器  
和/或  
c) 辅助触头

a) Undervoltage release or Shunt release  
and/or  
b) Short-circuit signalling contact block  
and/or  
c) Auxiliary contact block

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