



Figure similar

Motor circuit breaker, 1-1.6A, for motor protection, with screw terminal

product brand name	SINOVA
product designation	Circuit breaker
design of the product	for motor protection
product type designation	3MV8
General technical data	
power loss [W] total typical	6 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
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-20 ... +55 °C
• during transport	-25 ... +70 °C
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release initial value	1 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	1.6 A
operational current at AC-3 at 400 V rated value	1.6 A
operating frequency at AC-3 maximum	25 1/h
Protective and monitoring functions	
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	19 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
Installation/ mounting/ dimensions	

mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 90°)	
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022	
height	86 mm	
width	54 mm	
depth	70 mm	
required spacing for grounded parts		
• forwards	70 mm	
• backwards	0 mm	
• upwards	20 mm	
• at the side	9 mm	
• downwards	20 mm	
Connections/ Terminals		
type of electrical connection for main current circuit	screw-type terminals	
arrangement of electrical connectors for main current circuit	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)	
tightening torque		
• 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	
Electrical Safety		
touch protection against electrical shock	finger-safe	
Approvals Certificates		
General Product Approval	other	Environment



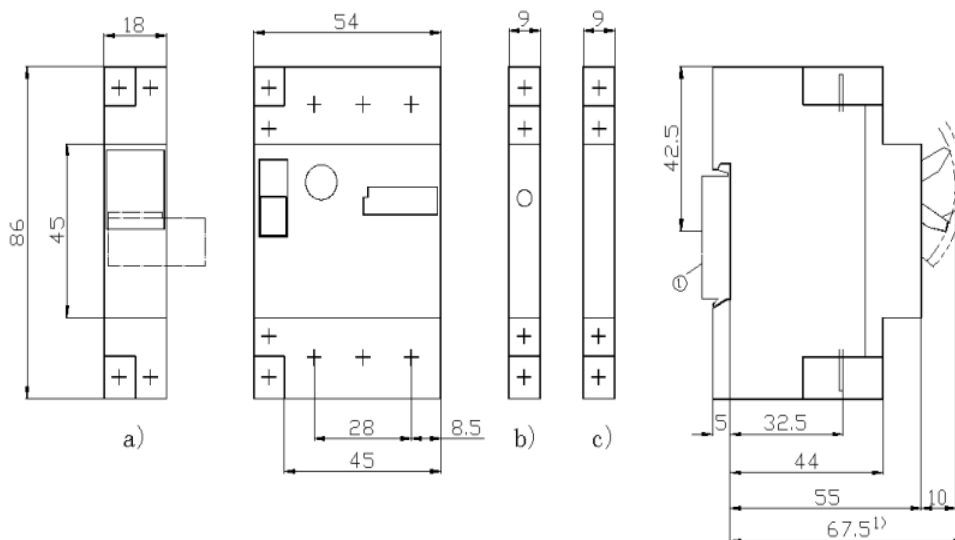
[Confirmation](#)

[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

