



Figure similar

Motor circuit breaker, 22-32A, 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	23 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
protection class IP	
• on the front	IP20
• of the terminal	IP00
shock resistance according to IEC 60068-2-27	30g / 11 ms
Weight	0.76 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	22 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	32 A
operational current at AC-3 at 400 V rated value	32 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	35 kA
operating short-circuit current breaking capacity (Ics) at AC at 400 V rated value	17 kA
response value current of instantaneous short-circuit trip unit	384 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	119 mm	
width	70 mm	
depth	109 mm	
required spacing for grounded parts		
• forwards	140 mm	
• backwards	0 mm	
• upwards	50 mm	
• at the side	30 mm	
• downwards	50 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 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	2.5 ... 3 N·m	
• for auxiliary contacts with screw-type terminals	0.8 ... 1.2 N·m	
Approvals Certificates		
General Product Approval	other	Environment



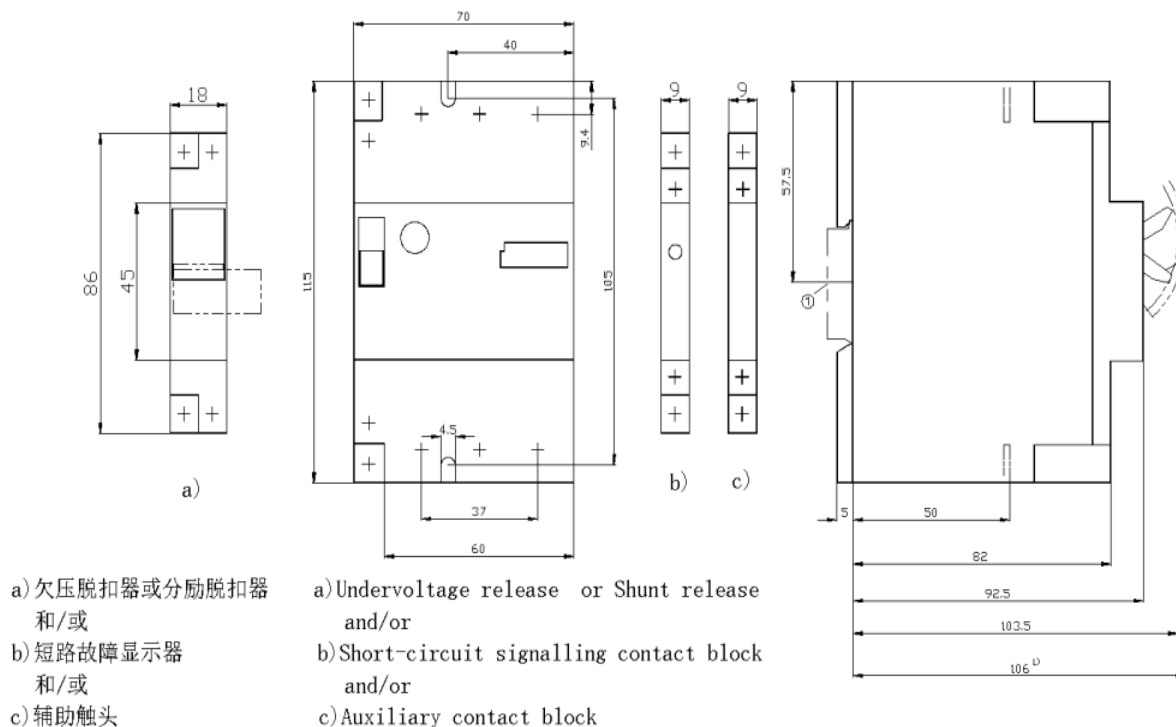
[Confirmation](#)

[Environmental Con-
firmations](#)

Further information

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/products?pnid=16027&lc=en-CN>



last modified:

4/3/2025