



Figure similar

Motor circuit breaker, 28-40A, 1NO+1NC, 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	30 g / 11 ms
Net 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	28 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	40 A
operational current at AC-3 at 400 V rated value	40 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	480 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



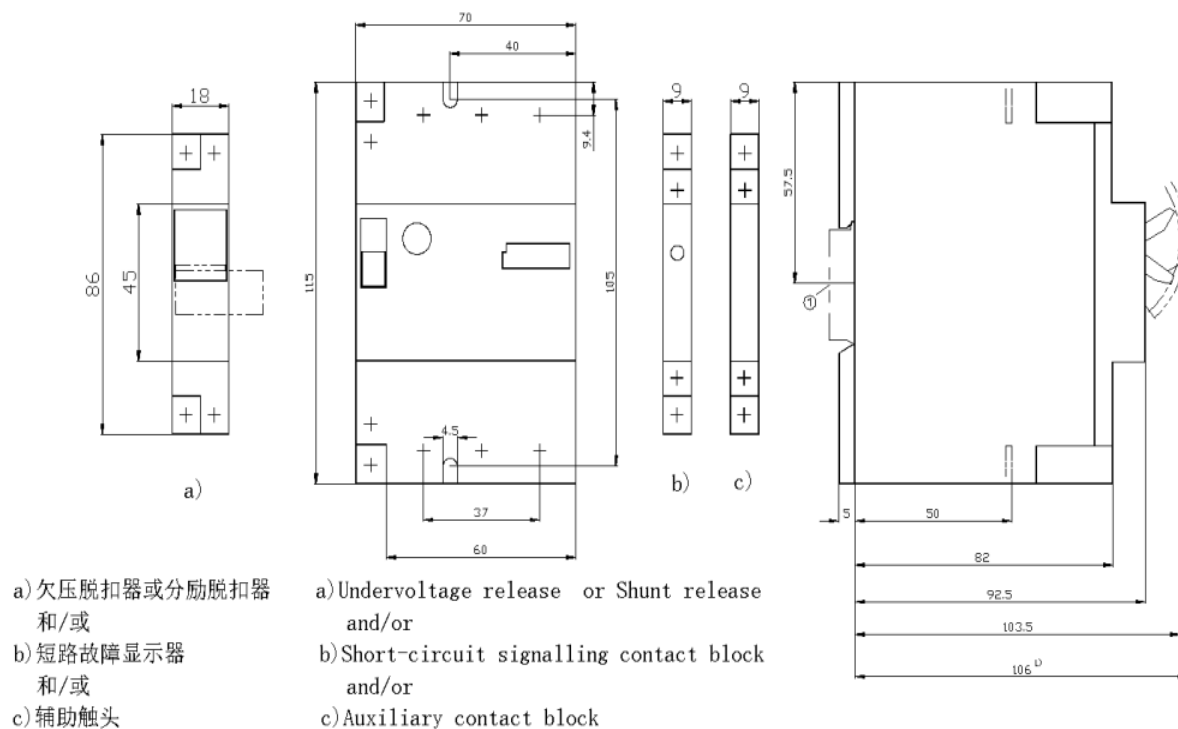
[Confirmation](#)

[Environmental Confirmations](#)

Further information

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

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



last modified:

4/4/2026

