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Data sheet 3MV8100-0MG00

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	25 g / 11 ms
Net 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

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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
CCC EG-Konf.	Confirmation	Environmental Confirmations

Further information

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

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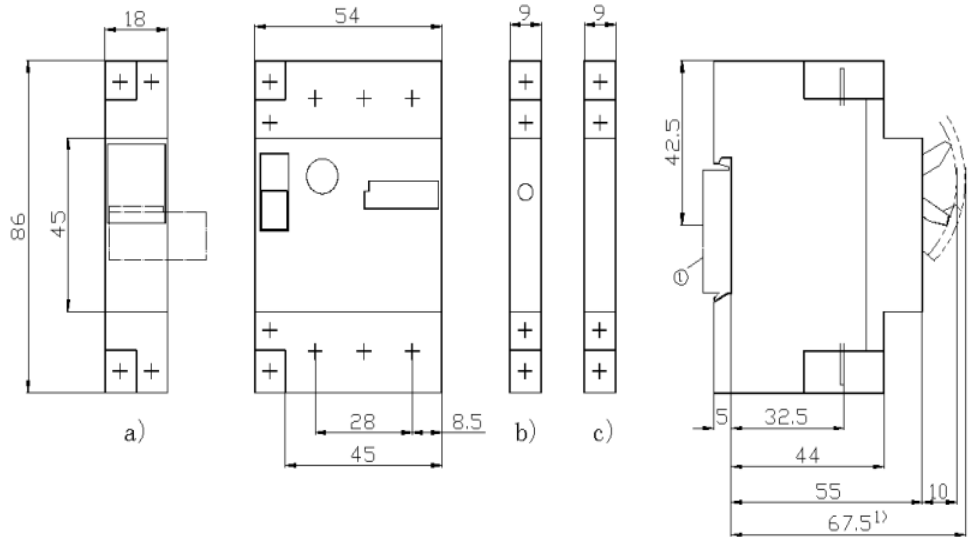

a)欠压脱扣器或分励脱扣器
和/或
b)短路故障显示器
和/或
c)辅助触头

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

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