SIEMENS



Reference: 3RU2136-4GB0

OVERLOAD RELAY 36...45 A FOR MOTOR PROTECTION SIZE S2, CLASS 10 FOR MOUNTING ONTO CONTACTORS MAIN CIRCUIT: SCREW TERMINAL AUX. CIRCUIT: SCREW TERMINAL MANUAL-AUTOMATIC-RESET.

Buy it at Electric Automation Network



product brand name	SIRIUS	
Product designation	3RU2 thermal overload relay	
General technical data:		
Size of overload relay	S2	
Size of contactor can be combined company-specific	S2	
Power loss [W] total typical	11 W	
Insulation voltage with degree of pollution 3 rated value	690 V	
Surge voltage resistance rated value	6 kV	
maximum permissible voltage for safe isolation		
in networks with grounded star point between auxiliary and auxiliary circuit	415 V	
in networks with grounded star point between auxiliary and auxiliary circuit	415 V	
in networks with grounded star point between main and auxiliary circuit	690 V	
in networks with grounded star point between main and auxiliary circuit	690 V	
Protection class IP		
on the front	IP20	
of the terminal	IP00	
Shock resistance		
acc. to IEC 60068-2-27	8g / 11 ms	

Recovery time	
after overload trip with automatic reset typical	10 min
after overload trip with remote-reset	10 min
after overload trip with manual reset	10 min
Type of protection	Ex e
Certificate of suitability relating to ATEX	DMT 98 ATEX G 001
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529
Equipment marking acc. to DIN EN 81346-2	F
Ambient conditions:	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
during operation	-40 +70 °C
during storage	-55 +80 °C
during transport	-55 +80 °C
Temperature compensation	-40 +60 °C
Main circuit:	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current- dependent overload release	36 45 A
Operating voltage	
rated value	690 V
at AC-3 rated value maximum	690 V
Operating frequency rated value	50 60 Hz
Operating current rated value	45 A
Auxiliary circuit:	
Design of the auxiliary switch	integrated
Number of NC contacts	
for auxiliary contacts	1
— Note	for contactor disconnection
Number of NO contacts	
for auxiliary contacts	1
— Note	for message "Tripped"
Number of CO contacts	
for auxiliary contacts	0
Operating current of auxiliary contacts at AC-15	
at 24 V	3 A
at 110 V	3 A
at 120 V	3 A

at 125 V	3 A	
at 230 V	2 A	
at 400 V	1 A	
Operating current of auxiliary contacts at DC-13		
at 24 V	2 A	
at 110 V	0.22 A	
at 125 V	0.22 A	
at 220 V	0.11 A	
Design of the miniature circuit breaker		
for short-circuit protection of the auxiliary switch required	6A (SCC less than equal to 0.5 kA; U less than equal to 260V)	
Protective and monitoring functions:		
Trip class	CLASS 10	
Design of the overload release	thermal	
UL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
at 480 V rated value	45 A	
at 600 V rated value	45 A	
Contact rating of auxiliary contacts according to UL	B600 / R300	
Short-circuit protection		
Design of the fuse link		
for short-circuit protection of the auxiliary switch required	fuse gG: 6 A, quick: 10 A	
Installation/ mounting/ dimensions:		
Mounting position	any	
Mounting type	direct mounting	
Height	90 mm	
Witd>	55 mm	
Depth	105 mm	
Required spacing		
with side-by-side mounting		
— forwards	10 mm	
— Backwards	0 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	10 mm	
for grounded parts		
— forwards	10 mm	
— Backwards	0 mm	

- uthe side		
For live parts - forwards - forwards - forwards - upwards - upwards - upwards - downwards - downwards - at the side - connections/Terminals: Product function removable terminal for auxiliary and control circuit Type of electrical connection for main current circuit screw-type terminals Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections for main contacts - single or multi-stranded - finely stranded with core end processing at AWG conductors for main contacts - single or multi-stranded - finely stranded with core end processing at AWG conductors for main contacts - single or multi-stranded - finely stranded with core end processing at AWG conductors for main contacts - single or multi-stranded - finely stranded with core end processing at AWG conductors for main contacts - single or multi-stranded - finely stranded with core end processing at AWG conductors for main contacts - single or multi-stranded - finely stranded with core end processing - for auxiliary contacts - single or multi-stranded - finely stranded with core end processing - single or multi-stranded - finely stranded with core end processing - finely stranded with core end processing - single or multi-stranded - finely stranded with core end processing - single or multi-stranded - finely stranded with core end processing - single or multi-stranded - finely stranded with core end processing - single or multi-stranded - single or multi-	— upwards	10 mm
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