## SIEMENS

## Data sheet

## 3RV1011-0HA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.55...0.8 A N-release 10 A Screw terminal Standard switching capacity

472 473	
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
mechanical service life (operating cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
<ul> <li>of auxiliary contacts typical</li> </ul>	100 000
electrical endurance (operating cycles) typical	100 000
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	01/01/2013
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	0.55 0.8 A
operating voltage	
rated value	20 690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.8 A
operational current	
• at AC-3 at 400 V rated value	0.8 A

a at AC 2a at 400 V rated value	0.8 A			
at AC-3e at 400 V rated value	0.0 A			
operating power • at AC-3				
• at AC-5 — at 230 V rated value	0.1 kW			
- at 400 V rated value	0.18 kW			
- at 500 V rated value	0.3 kW			
— at 690 V rated value	0.4 kW			
• at AC-3e	0.4.144			
— at 230 V rated value	0.1 kW			
— at 400 V rated value	0.18 kW			
— at 500 V rated value	0.3 kW			
— at 690 V rated value	0.4 kW			
operating frequency				
• at AC-3 maximum	15 1/h			
• at AC-3e maximum	15 1/h			
Auxiliary circuit				
number of CO contacts for auxiliary contacts	0			
Protective and monitoring functions				
product function				
<ul> <li>ground fault detection</li> </ul>	No			
phase failure detection	Yes			
trip class	CLASS 10			
design of the overload release	thermal			
maximum short-circuit current breaking capacity (Icu)				
<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA			
<ul> <li>at AC at 400 V rated value</li> </ul>	100 kA			
• at AC at 500 V rated value	100 kA			
at AC at 690 V rated value	100 kA			
operating short-circuit current breaking capacity (Ics) at AC				
<ul> <li>at 240 V rated value</li> </ul>	100 kA			
• at 400 V rated value	100 kA			
• at 500 V rated value	100 kA			
• at 690 V rated value	100 kA			
response value current of instantaneous short-circuit trip unit	10 A			
UL/CSA ratings				
full-load current (FLA) for 3-phase AC motor				
• at 480 V rated value	0.8 A			
• at 600 V rated value	0.8 A			
Short-circuit protection				
product function short circuit protection	Yes			
design of the short-circuit trip	magnetic			
design of the fuse link for IT network for short-circuit protection of the main circuit				
• at 240 V	none required			
• at 400 V	None required			
● at 500 V	gL/gG 6 A			
• at 690 V	gL/gG 6 A			
Installation/ mounting/ dimensions				
mounting position	any			
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
height	90 mm			
width	45 mm			
depth	75 mm			
required spacing				
<ul> <li>for grounded parts at 400 V</li> </ul>				
— downwards	20 mm			
— upwards	20 mm			
— at the side	9 mm			
<ul> <li>for live parts at 400 V</li> </ul>				
— downwards	20 mm			
— upwards	20 mm			

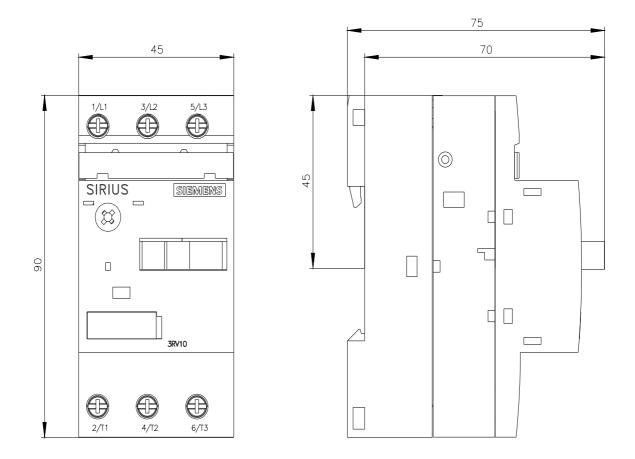
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For use in hazardous locations
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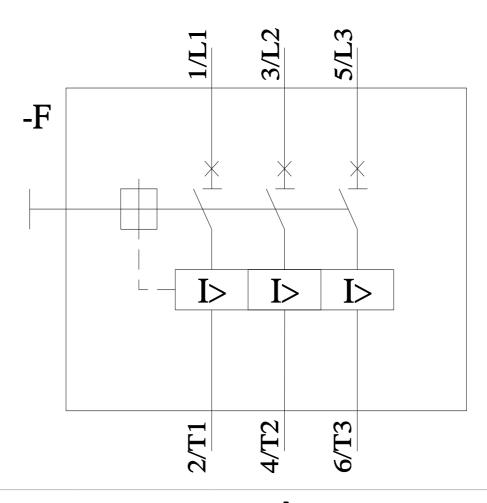
Declaration of Conformity

Test Certificates

Marine / Shipping

UK CA	CE EG-Konf.	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	BUREAU VERITAS			
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other		Railway						
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