## SIEMENS

## Data sheet

## 3RV2011-0DA40



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.22...0.32 A N-release 4.2 A ring cable lug connection Standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
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
at AC in hot operating state per pole	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (switching cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
<ul> <li>of auxiliary contacts typical</li> </ul>	100 000
electrical endurance (switching 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)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
<ul> <li>during storage</li> </ul>	-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	0.22 0.32 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	0.32 A		
operational current			
at AC-3 at 400 V rated value	0.32 A		
• at AC-3e at 400 V rated value	0.32 A		
operating power	0.0277		
• at AC-3			
— at 230 V rated value	0 kW		
— at 400 V rated value	0.09 kW		
— at 500 V rated value	0.1 kW		
— at 690 V rated value	0.1 kW		
• at AC-3e			
— at 230 V rated value	0 kW		
— at 400 V rated value	0.09 kW		
— at 500 V rated value	0.1 kW		
— at 690 V rated value	0.1 kW		
operating frequency			
• at AC-3 maximum	15 1/h		
• at AC-3e maximum	15 1/h		
Auxiliary circuit			
number of NC contacts for auxiliary contacts	0		
number of NO contacts for auxiliary contacts	0		
number of CO contacts for auxiliary contacts	0		
Protective and monitoring functions			
product function			
ground fault detection	No		
phase failure detection	Yes		
trip class	CLASS 10		
design of the overload release	thermal		
breaking capacity maximum short-circuit current (lcu)	uema		
at AC at 240 V rated value	100 kA		
at AC at 400 V rated value	100 kA		
• at AC at 500 V rated value	100 kA		
at AC at 690 V rated value	100 kA		
breaking capacity operating short-circuit current (lcs)			
at AC			
<ul> <li>at 240 V rated value</li> </ul>	100 kA		
<ul> <li>at 400 V rated value</li> </ul>	100 kA		
• at 500 V rated value	100 kA		
• at 690 V rated value	100 kA		
response value current of instantaneous short-circuit trip	4.2 A		
unit			
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
at 480 V rated value	0.32 A		
at 600 V rated value	0.32 A		
Short-circuit protection			
product function short circuit protection	Yes		
design of the short-circuit trip	magnetic		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
height	97 mm		
width	45 mm		
depth	97 mm		
required spacing			
<ul> <li>for grounded parts at 400 V</li> </ul>			
— downwards	30 mm		
— upwards	30 mm		

5 000 50 % 50 % 50 FIT 10 y IP00 Handle
50 % 50 % 50 FIT 10 y IP00
50 % 50 % 50 FIT 10 y IP00
50 % 50 % 50 FIT 10 y
50 % 50 % 50 FIT
50 % 50 % 50 FIT
50 % 50 %
50 %
50 %
5 000
5 000
M3
M3
size 2 and Pozidriv 2
Diameter 5 to 6 mm
7.5 mm
1.2 0.8 N·m
0.8 1.2 N·m
Top and bottom
ring terminal lug connection
Ring cable lug connection
Ding cable lug connection
0 mm
0 mm 30 mm
o mm
50 mm
50 mm
0 mm
30 mm
0 mm
50 mm
50 mm
9 mm
30 mm
30 mm
9 mm
30 mm
30 mm
9 mm
30 mm
30 mm

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Marine / Shipping	other		Railway		
RMRS	<u>Confirmation</u>	UDE VDE	<u>Confirmation</u>	Vibration and Shock	
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