



Special type Circuit breaker size S00 for motor protection CLASS 10 A-release 2.8...4 A N release 52 A Screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC Ambient temperature - 50 °C 500 switching cycles

product brand name	SIRIUS
product designation	circuit breaker
design of the product	for motor protection
General technical data	
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
• at AC in hot operating state	7.25 W
• at AC in hot operating state per pole	2.4 W
surge voltage resistance rated value	6 000 V
protection class IP on the front	IP20
shock resistance	25g / 11 ms
mechanical service life (switching cycles) of the main contacts typical	500
continuous current rated value	4 A
Substance Prohibitance (Date)	01/01/2013
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-50 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	2.8 ... 4 A
operating voltage	
• rated value	690 V
• rated value	20 ... 690 V
• at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value	4 A
operating power at AC-3	
• at 400 V rated value	1.5 kW
operating frequency at AC-3 maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A

<ul style="list-style-type: none"> at 230 V 	0.5 A	
operational current of auxiliary contacts at DC-13		
<ul style="list-style-type: none"> at 24 V at 60 V 	1 A 0.15 A	
Protective and monitoring functions		
product function		
<ul style="list-style-type: none"> ground fault detection phase failure detection 	No Yes	
trip class	CLASS 10	
design of the overload release	thermal	
breaking capacity maximum short-circuit current (I_{cu})		
<ul style="list-style-type: none"> at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value 	100 kA 100 kA 3 kA 2 kA	
response value current of instantaneous short-circuit trip unit	52 A	
Short-circuit protection		
design of the short-circuit trip	magnetic	
design of the overcurrent release and short-circuit release	thermomagnetic	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022	
height	90 mm	
width	45 mm	
depth	81 mm	
required spacing with side-by-side mounting		
<ul style="list-style-type: none"> backwards at the side 	0 mm 0 mm	
Connections/ Terminals		
product component removable terminal for auxiliary and control circuit	No	
type of electrical connection		
<ul style="list-style-type: none"> for main current circuit for auxiliary and control circuit 	screw-type terminals screw-type terminals	
arrangement of electrical connectors for main current circuit	front side	
type of connectable conductor cross-sections		
<ul style="list-style-type: none"> for main contacts <ul style="list-style-type: none"> solid stranded finely stranded with core end processing at AWG cables for main contacts 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14)	
type of connectable conductor cross-sections		
<ul style="list-style-type: none"> for auxiliary contacts <ul style="list-style-type: none"> solid finely stranded with core end processing at AWG cables for auxiliary contacts 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14)	
Safety related data		
touch protection against electrical shock	finger-safe	
Certificates/ approvals		
General Product Approval	For use in hazardous locations	Declaration of Conformity



[Confirmation](#)



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last modified:

10/1/2021 