$\overline{}$

CONTACTOR RELAY, 4NO, AC 230V, 50/60 HZ, SIZE S00, SCREW TERMINAL

	SCREW TERMINAL		
General technical data:			
product brand name		SIRIUS	
Size of the contactor		S00	
Identification number and letter for switching elements		40 E	
Product extension / auxiliary switch		Yes	
Protection class IP / on the front		IP20	
Protection against electrical shock		finger-safe	
Degree of pollution		3	
Insulation voltage / with degree of pollution 3 / rated value	V	690	
Installation altitude / at a height over sea level / maximum	m	2,000	
Ambient temperature / during storage	${\mathfrak C}$	-55+80	
Ambient temperature / during operating	C	-25+60	
Shock resistance			
 at rectangular impulse 			
at AC		7,3g / 5 ms, 4,7g / 10 ms	
at sine pulse			
at AC		11,4g / 5 ms, 7,3g / 10 ms	
Impulse voltage resistance / rated value	kV	6	
Mechanical operating cycles as operating time			
 of the contactor / typical 		30,000,000	
 of the contactor with added auxiliary switch 		10,000,000	
block / typical			
 of the contactor with added electronics- 		10,000,000	
compatible auxiliary switch block / typical			
Control circuit:			
Type of voltage / of the controlled supply voltage		AC	
Control supply voltage / 1			

trolled supply voltage AC
/ rated value V 230
/ rated value V 230
trol supply voltage rated
0.81.1
0.851.1
the solenoid / for AC V·A 37
f the solenoid / for AC V·A 5.7
ower of the coil 0.8
ower of the coil 0.25
ms 833
ms 625
s 1015
0.81.1 0.851.1 V-A 37 V-A 5.7 wer of the coil 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8

Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts /		0
instantaneous switching		4
Number of NO contacts / for auxiliary contacts / instantaneous switching		4
Operating current / of the auxiliary contacts / at AC-12 /	Α	10
maximum		
Operating current / of the auxiliary contacts / at AC-15	Α	6
• at 230 V	A	3
• at 400 V	A	2
• at 500 V	A	1
• at 690 V	А	_ '
 Operating current of the auxiliary contacts / with 1 current 		
path / at DC-12		
• at 24 V	Α	6
• at 110 V	Α	3
• at 220 V	A	1
with 2 current paths in series / at DC-12		
 at 24 V / rated value 	А	10
at 60 V / rated value	A	10
at 100 V / fated valueat 110 V / rated value	Α	4
at 220 V / rated value	A	2
at 220 V / Tated valueat 440 V / rated value	A	1.3
at 440 V / rated value at 600 V / rated value	A	0.65
	^	0.00
 with 3 current paths in series / at DC-12 at 24 V / rated value 	А	10
	A	10
at 60 V / rated valueat 110 V / rated value	A	10
at 220 V / rated value at 220 V / rated value	A	3.6
	A	2.5
at 440 V / rated valueat 600 V / rated value	A	1.8
Operating current		1.0
 of the auxiliary contacts / with 1 current 		
path / at DC-13		
• at 24 V	Α	6
at 110 V	Α	1
at 220 V	Α	0.3
 with 2 current paths in series / at DC-13 		
at 24 V / rated value	Α	10
at 60 V / rated value	Α	3.5
at 110 V / rated value	Α	1.3
at 220 V / rated value	Α	0.9
at 440 V / rated value	Α	0.2
 at 600 V / rated value 	Α	0.1
 with 3 current paths in series / at DC-13 		
 at 24 V / rated value 	Α	10
at 60 V / rated value	Α	4.7
at 10 V / rated value	Α	3
at 220 V / rated value	Α	1.2
at 440 V / rated value	A	0.5
at 600 V / rated value	А	0.26
Off-load operating frequency		

at AC		1/h	10,0	000
at DC		1/h	10,0	000
Frequency of operation		_		
at AC-12 / maximum		1/h	1,00	00
at AC-14 / maximum		1/h	1,00	
• at AC-15 / maximum		1/h	1,00	
at DC-12 / maximum		1/h	1,00	00
at DC-13 / maximum		1/h	1,00	00
Short-circuit:				
Design of the fuse link / for short-circuit pr	otection of the			
auxiliary switch				
required				e gL/gG: 10 A, miniature circuit breaker C 6 A ort-circuit current lk < 400 A)
Installation/mounting/dimensions:		_		
Built in orientation		_	verti	
Type of mounting				w and snap-on mounting onto 35 mm dard mounting rail
Width		mm	45	
Height		mm	57.5	
Depth		mm	73	
Distance, to be maintained, to the ranks as sidewards	sembly /	mm	0	
Connections:				
Design of the electrical connection				
 for auxiliary and control current 	t circuit		scre	w-type terminals
Type of the connectable conductor cross-s		_		
for auxiliary contacts				
• solid			2x ((0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4
Solid			mm²	
finely stranded				
 with conductor end process 	ina		2x ((0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG conductors / for auxili	-			20 16), 2x (18 14), 2x 12
Tol AVVG conductors / for auxili	ary cornacts		۷۸ (۲	20 10), 2x (10 14), 2x 12
Certificates/approvals:				
General Product Approval				
				ROSTEST
× CQC	× CSA			× UL
Shipping Approval				
ABS (American Bureau of Shipping)	× DNV (Det	Norske Veri	itas)	GL (Germanischer Lloyd) LRS
Shipping Approval	other			
RMRS (Russian Maritime Register)	× VDE			
(Nussian Manuffle Register)	× VDL			
UL/CSA ratings:				
Contact rating designation / for auxiliary co	ontacts /		A60	0 / Q600
according to UL				
Safety:related Parameter:				
B10 value / with high demand rate			1.00	00,000
according to SN 31920 The second secon			1,00	00,000
T1 value / for proof test interval or service life		а	20	
according to IEC 61508 Proportion of degree us failures		- a	20	
Proportion of dangerous failures		0/	40	
 with low demand rate / accordi 31920 	ng to SN	%	40	

 with high demand rate / according to SN 	%	73			
31920					
Failure rate (FIT value) / with low demand rate					
 according to SN 31920 	FIT	100			
Product function / positively driven operation to IEC 60947-5-1		Yes			
comment		with 3RH29			
Further information:					
Information- and Downloadcenter (Catalogs, Brochures,http://www.siemens.com/industrial-controls/catalogs	Information- and Downloadcenter (Catalogs, Brochures,)				
Industry Mall (Online ordering system)					
http://www.siemens.com/industrial-controls/mall					
Cax online generator:					
http://www.siemens.com/cax					
Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/3RH2140-1AP00/all					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH2140-1AP00					
t change: Jan 30, 2012					

[©] Siemens AG 2012 - Corporate Information - Privacy Policy - Terms of Use