

Reference: 3RH1921-1FA22

MOUNTING BLOCK DIN EN 50005, 4-
POLE, 2NO+2NC

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General technical data:		
product brand name		SIRIUS
Suitability for use		Contact relay and power contactor
Protection class IP on the front		IP20
Ambient temperature		
during storage	°C	-55 ... +80
during operation	°C	-25 ... +60
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at 230 V typical		200 000
Contact reliability		one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
Contact reliability of auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 rated value	V	690
Surge voltage resistance rated value	kV	6
Auxiliary circuit:		
Number of NC contacts for auxiliary contacts		
instantaneous contact		2
Number of NO contacts for auxiliary contacts		
instantaneous contact		2

Operating current of auxiliary contacts at AC-12		
at 24 V	A	10
at 230 V	A	10
maximum	A	10
Operating current		
of auxiliary contacts		
— at AC-14		
— at 125 V	A	6
— at 250 V	A	6
— at AC-15		
— at 24 V	A	6
— at 230 V	A	6
— at 400 V	A	3
at AC-15 at 690 V rated value	A	1
Operating current		
with 2 current paths in series at DC-12		
— at 24 V rated value	A	10
— at 60 V rated value	A	10
— at 110 V rated value	A	4
— at 220 V rated value	A	2
— at 440 V rated value	A	1.3
— at 600 V rated value	A	0.65
with 3 current paths in series at DC-12		
— at 24 V rated value	A	10
— at 60 V rated value	A	10
— at 110 V rated value	A	10
— at 220 V rated value	A	3.6
— at 440 V rated value	A	2.5
— at 600 V rated value	A	1.8
Operating current		
of auxiliary contacts at DC-13		
— at 24 V	A	6
— at 60 V	A	2
— at 110 V	A	1
— at 220 V	A	0.3
with 2 current paths in series at DC-13		
— at 24 V rated value	A	10
— at 60 V rated value	A	3.5

— at 110 V rated value	A	1.3	
— at 220 V rated value	A	0.9	
— at 440 V rated value	A	0.2	
— at 600 V rated value	A	0.1	
with 3 current paths in series at DC-13			
— at 24 V rated value	A	10	
— at 60 V rated value	A	4.7	
— at 110 V rated value	A	3	
— at 220 V rated value	A	1.2	
— at 440 V rated value	A	0.5	
— at 600 V rated value	A	0.26	
Installation/ mounting/ dimensions:			
Mounting type		snap-on mounting	
Witd>	mm	44	
Height	mm	38	
Depth	mm	51	
Connections/ Terminals:			
Type of electrical connection for auxiliary and control current circuit		screw-type terminals	
Type of connectable conductor cross-sections			
for auxiliary contacts			
— finely stranded			
— with core end processing		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)	
at AWG conductors for auxiliary contacts		2x (20 ... 16), 2x (18 ... 14)	
Safety related data:			
Product function Mirror contact acc. to IEC 60947-4-1		Yes	
Note		with 3RT1	
Product function positively driven operation acc. to IEC 60947-5-1		No	
Certificates/ approvals:			
General Product Approval		Functional Safety/Safety of Machinery	Declaration of Conformity
		Baumusterbescheinigung	
Test Certificates	Shipping Approval		
spezielle Prüfbescheinigungen	Typprüfbescheinigung/ Werkzeugezeugnis		
Shipping Approval	other		
	Umweltbestätigung	Bestätigungen	

