SIEMENS

Data sheet

3RH1921-1EA02



AUXILIARY SWITCH BLOCK, 2 NC, DIN EN50005, LATERALLY, 10 MM SCREW CONNECTION, SIZE S0...S12 FOR CONTACTORS FOR SWITCHING MOTORS, 2-POLE

Figure similar

product brand name SIRIUS Suitability for use Contactor relay and power contactor Protection class IP on the front IP20 Ambient temperature *C • during storage *C • during operation *C Mechanical service life (switching cycles) typical 10 000 000 Electrical endurance (switching cycles) at AC-15 at 230 V typical 200 000 Contact reliability Contactor reliability or the auxiliary contacts Insulation voltage with degree of pollution 3 Rated value V Surge voltage resistance Rated value kV • unsultary circuit: 2 Number of NC contacts for auxiliary contacts 2 • instantaneous contact 2 • instantaneous contact 0 Operating current of the auxiliary contacts at AC-12	General technical data:				
Protection class IP on the frontIP20Ambient temperature • during storage°C-55 +80• during operation°C-25 +60Mechanical service life (switching cycles) typical10 000 000Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 5 mA)Contact reliability of the auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV500Surge voltage resistance Rated valuekV6Auxiliary circuit:22Number of NC contacts for auxiliary contacts • instantaneous contact20Number of NO contacts for auxiliary contacts • instantaneous contact00Oreating current of the auxiliary contacts at AC-12 • at 230 VA10et at 24 V • at 230 VA10	product brand name		SIRIUS		
Ambient temperature°C-55 +80• during storage°C-55 +80• during operation°C-25 +60Mechanical service life (switching cycles) typical10 000 000Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 5 mA)Contact reliability of the auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV500Surge voltage resistance Rated valuekV6Auxiliary circuit:22Number of NC contacts for auxiliary contacts • instantaneous contact22Number of NO contacts for auxiliary contacts • instantaneous contact00Operating current of the auxiliary contacts at AC-12 • at 24 V • at 230 VA10at 24 V • at 230 VA10	Suitability for use		Contactor relay and power contactor		
• during storage • during operation°C-55 +80• during operation°C-25 +60Mechanical service life (switching cycles) typical10 000 000Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 5 mA)Contact reliability of the auxiliary contactsone incorrect switching peration (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV500Surge voltage resistance Rated valuekV6Auxiliary circuit:2Number of NC contacts for auxiliary contacts • instantaneous contact2Number of NO contacts for auxiliary contacts • instantaneous contact2Auxiliary contacts or auxiliary contacts • instantaneous contact0Operating current of the auxiliary contacts at AC-12 • at 24 V • at 230 VA10	Protection class IP on the front	_	IP20		
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Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 5 mA)Contact reliability of the auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV500Surge voltage resistance Rated valuekV6Auxiliary circuit:2Number of NC contacts for auxiliary contacts • instantaneous contact2Operating current of the auxiliary contacts at AC-12 • at 24 V • at 230 VA10Auxiliary circuitA10	during operation	°C	-25 +60		
230 V typicalImage: contact reliabilityImage: contac	Mechanical service life (switching cycles) typical		10 000 000		
Contact reliability of the auxiliary contactsswitching operations (17 V, 5 mA)Insulation voltage with degree of pollution 3 Rated valueV500Surge voltage resistance Rated valueKV6Auxiliary circuit:KV6Auxiliary circuit:2Number of NC contacts for auxiliary contacts • instantaneous contact2Number of NO contacts for auxiliary contacts • instantaneous contact0Operating current of the auxiliary contacts at AC-12 • at 24 V • at 230 VA10			200 000		
Insulation voltage with degree of pollution 3 Rated valueV500Surge voltage resistance Rated valuekV6Auxiliary circuit:6Number of NC contacts for auxiliary contacts • instantaneous contact2Number of NO contacts for auxiliary contacts • instantaneous contact0Operating current of the auxiliary contacts at AC-12 • at 24 V • at 230 VA10A	Contact reliability		• .		
valueImage: constant of the auxiliary contacts at AC-12Image: constant of the auxiliary contacts at AC-12• at 230 VA10	Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)		
Auxiliary circuit: Image: Auxiliary contacts for auxiliary contacts Image: Auxiliary circuit Number of NC contacts for auxiliary contacts 2 Number of NO contacts for auxiliary contacts 0 Image: Number of NO contacts for auxiliary contacts 0 Image: Im		V	500		
Number of NC contacts for auxiliary contacts2• instantaneous contact2Number of NO contacts for auxiliary contacts0• instantaneous contact0Operating current of the auxiliary contacts at AC-120• at 24 ∨A• at 230 ∨A	Surge voltage resistance Rated value	kV	6		
● instantaneous contact2Number of NO contacts for auxiliary contacts2● instantaneous contact0Operating current of the auxiliary contacts at AC-120● at 24 VA● at 230 VA	Auxiliary circuit:				
Number of NO contacts for auxiliary contacts 0 • instantaneous contact 0 Operating current of the auxiliary contacts at AC-12 10 • at 24 V A 10 • at 230 V A 10	Number of NC contacts for auxiliary contacts				
● instantaneous contact0Operating current of the auxiliary contacts at AC-120● at 24 VA10● at 230 VA10	 instantaneous contact 		2		
Operating current of the auxiliary contacts at AC-12 A 10 • at 24 V A 10 • at 230 V A 10	Number of NO contacts for auxiliary contacts				
• at 24 V A 10 • at 230 V A 10	 instantaneous contact 		0		
• at 230 V A 10	Operating current of the auxiliary contacts at AC-12				
	• at 24 V	А	10		
• maximum A 10	• at 230 V	А	10		
	• maximum	А	10		

Operating current		
of the 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	А	10
— at 60 V Rated value	A	10
— at 110 V Rated value	А	4
— at 220 V Rated value	А	2
— at 440 V Rated value	А	1.3
— at 600 V Rated value	А	0.65
 with 3 current paths in series at DC-12 		
— at 24 V Rated value	А	10
— at 60 V Rated value	А	10
— at 110 V Rated value	А	10
— at 220 V Rated value	A	3.6
— at 440 V Rated value	A	2.5
— at 600 V Rated value	А	1.8
Operating current		
 of the auxiliary contacts at DC-13 		
— at 24 V	А	6
— at 60 V	А	2
— at 110 V	А	1
— at 220 V	А	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		0.0
— at 440 V Rated value	А	0.9
— at 600 V Rated value	A A	0.9
- al 000 v Raleu value		
 at 600 v Rated value with 3 current paths in series at DC-13 	A	0.2
	A	0.2

А	3
А	1.2
А	0.5
А	0.26
	A A

Installation/ mounting/ dimensions:			
Mounting type		snap-on mounting	
Width	mm	10	
Height	mm	80	
Depth	mm	71	

Connections/ Terminals:				
Type of electrical connection for auxiliary and control		screw-type terminals		
current circuit				
Type of connectable conductor cross-section				
 for auxiliary contacts 				
— finely stranded				
— with core end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 for 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		No		
IEC 60947-5-1				
Certificates/ approvals:				

General Produc	t Approval			Functional Safety/Safety of Machinery	Declaration of Conformity
	CSA		EHE	Type Examination	EG-Konf.
Test Certificates	Shipping Appro	oval			
Special Test Certificate	ABS	BUREAU VERITAS	GL	Llovd's Register LRS	RINA
Shipping Approval	other				
RMRS	Environmental Confirmations				

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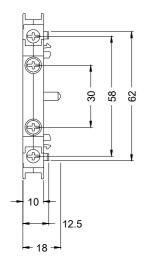
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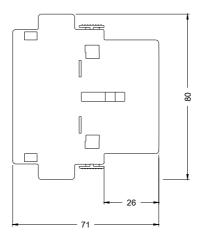
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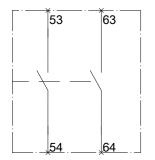
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