SIEMENS

Product data sheet

CIRCUIT-BREAKER SZ S0, FOR MOTOR PROTECTION, CLASS 10, A-RELEASE 27...32A, N-RELEASE 400A, SCREW CONNECTION,

General technical data:		
Product brand name		SIRIUS
Product designation	-	3RV2 circuit breaker
Size of the circuit-breaker		S0
Trip class		CLASS 10
Protection class IP / frontal/front side		IP20
Degree of pollution		3
Altitude of installation site / at a height over sea level / maximum	m	2,000
Ambient temperature		
during storage	°C	-50 80
 during the operating phase 	°C	-20 60
during transport	°C	-50 80
Resistance against shock	_	25g / 11 ms
Impulse voltage resistance / rated value	kV	6
Insulation voltage / rated value	V	690
Real loss power / total / typical	W	10
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		F
according to DIN EN 61346-2		F
Mechanical switching cycle as operating period		
of the main contacts / typical		100,000
of the auxiliary contacts / typical		100,000
Type of the driving mechanism / Motor drive		No
design of the operating mechanism	_	selector switch
Product function		
Overload protection		Yes
Short-circuit to earth recognition		No
Phase disturbance recognition		Yes
Product component		
auxiliary switch		No

	No
	No
	No
_	3
V	690
А	29
W	15,000
W	18,500
W	30,000
1/h	15
	Top and bottom
А	27 32
W	7,500
A	32
-	Yes
-	Yes 0
-	
_	0
_	0 0
	0 0
	0 0 0
	0 0 0
	0 0 0
	0 0 0 0
А	0 0 0 0 0
А	0 0 0 0 0 55,000 10,000 4,000
А	0 0 0 0 0 55,000 10,000 4,000
А	0 0 0 0 55,000 10,000 4,000 thermomagnetic
-	A W W W 1/h

Height	mm	97
Depth	mm	91
distance, to be maintained, to the ranks assembly		
• forwards	mm	0
backwards	mm	0
• upwards	mm	50
downwards	mm	50
• sidewards	mm	0
distance, to be maintained, to earthed part		
• forwards	mm	0
backwards	mm	0
• upwards	mm	50
• sidewards	mm	30
downwards	mm	50
distance, to be maintained, conductive elements		
• forwards	mm	0
backwards	mm	0
• upwards	mm	50
downwards	mm	50
• sidewards	mm	30
Connections:		
Product function		
 removable terminal for main circuit 		No
 removable terminal for auxiliary and control circuit 		No
design of the electrical connection		
for main current circuit		screw-type terminals
Type of the connectable conductor cross-section		
for main contacts		
• unifilar		2x (1 2.5 mm2), 2x (2.5 10 mm2)
stranded wire		2x (1 2.5 mm2), 2x (2.5 10 mm2)
stranded wire		
 with conductor end processing 		2x (1 2.5 mm2), 2x (2.5 6 mm2), 1x 10 mm2
• at AWG-conductors / for main contacts		2x (16 12), 2x (14 8)
Certificates/approvals:		
verification of suitability		CE / UL / CSA
• für Staubexplosionsschutz für Zone 21/22		no
 for gas explosion protection for zone 1/2 		no
Safety:		
- Janety		

B10 value / with high demand rate		
according to SN 31920		50,000
T1 value / for proof test interval or service life	_	
according to IEC 61508	а	10
Failure rate (FIT value) / with low demand rate		
according to SN 31920	FIT	50
Proportion of dangerous failures		
 with low demand rate / according to SN 31920 	%	40
 with high demand rate / according to SN 31920 	%	40
Protection against electrical shock		finger-safe

Further information:

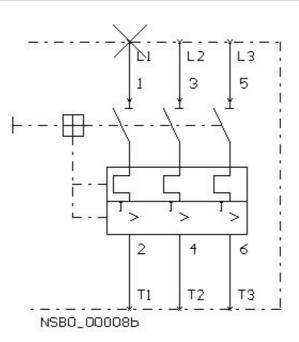
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RV2021-4EA10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2021-4EA10



last change:

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