SIEMENS

Product data sheet

3RV1031-4HB10



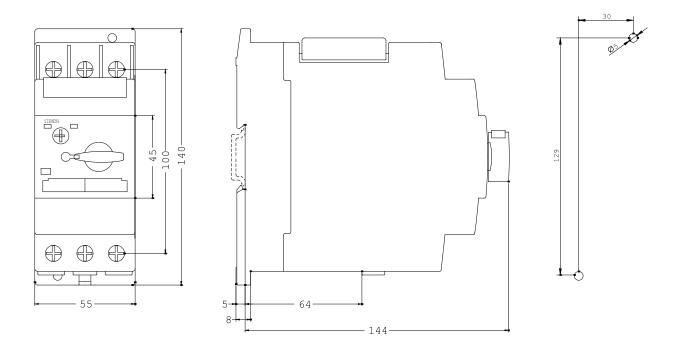
CIRCUIT-BREAKER, SIZE S2, A-RELEASE 40...50 A, N-RELEASE 650 A, MOTOR PROTECTION, CLASS 20, SCREW CONNECTION, STANDARD BREAKING CAPACITY

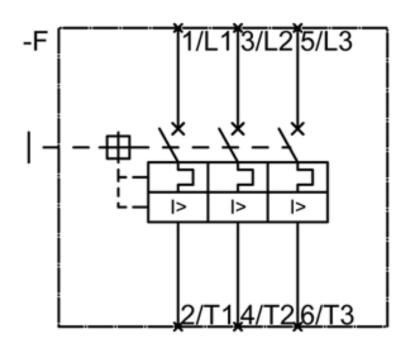
General technical data:						
product brand name		SIRIUS				
product designation		circuit breaker				
Size of the circuit-breaker		S2				
Number of poles / for main current circuit		3				
Product function						
 removable terminal for auxiliary and control circuit 		No				
overload protection		Yes				
phase disturbance recognition		Yes				
short-circuit to earth recognition		No				
Product component						
auxiliary switch		No				
undervoltage release mechanism		No				
• trip indicator		No				
Product extension						
auxiliary switch		Yes				
optional / motor drive		Yes				
Impulse voltage resistance / rated value	V	6,000				
Protection class IP / on the front		IP20				
Protection against electrical shock		finger-safe				

Installation altitude / at a height over sea level / maximum	m	2,000	
Resistance against shock		25g / 11 ms	
Ambient temperature	_		
during transport	°C	-50 +80	
during storage	°C	-50 +80	
during operating	°C	-20 +70	
Active power loss / total / typical	W	20	
Main circuit:			
Operating voltage / rated value	V	690	
type of voltage	_	AC/DC	
Service power / at AC-3 / at 400 V / rated value	kW	22	
Operating current / at AC-3 / at 400 V / rated value	А	50	
Mechanical operating cycles as operating time / of the main contacts / typical		50,000	
Frequency of operation / at AC-3 / according to IEC 60947-6-2	1/h	15	
Auxiliary circuit:			
Number of changeover contacts / for auxiliary contacts		0	
Protection function:	_	01.400.00	
Trip class	_	CLASS 20	
Adjustable response current / of the current-dependent overload release	A	40 50	
Breaking capacity limit short-circuit current (Icu)			
• at 400 V / rated value	kA	50	
• at 500 V / rated value	kA	10	
• at 690 V / rated value	kA	4	
Installation/mounting/dimensions:			
Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022	
mounting position		any	
Depth	mm	149	
Height	mm	140	
Width	mm	55	
Connections:			
Arrangement of electrical connectors / for main current circuit		front side	
Design of the electrical connection			
for main current circuit		screw-type terminals with box terminals	
 for auxiliary and control current circuit 		screw-type terminals	
Type of the connectable conductor cross-section			

• for main contacts	
• solid	2x (0.75 16 mm²)
finely stranded	
 with conductor end processing 	2x (0.75 16 mm²), 0.75 25 mm²
• stranded	2x (0.75 25 mm²), 0.75 35 mm²
 for AWG conductors / for main contacts 	2x (18 2), 1x (18 2)

Certificates/appr	rovals:					
General Product	Approval	Test Certificates				
EHC	P GOST	Special Test Certificate				
Shipping Approv	al					
ABS	B U R E A U V E R I TAS	ĴÅ DNV DNV	GL	RMRS		
other						
Confirmation	Declaration of Conformity	other	Environmental Confirmations			
Further informat	ion:					
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs						
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/3RV1031-4HB10/all						
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1031-4HB10						





last change:

Oct 28, 2013