SIEMENS

Datasheet

3VA1120-6EE36-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=70KA @ 415 V 3-POLE, LINE PROTECTION TM220, ATFM, IN=20A OVERLOAD PROTECTION IR=14A ...20A SHORT CIRCUIT PROTECTION II=10 X IN CABLE CONNECTION

Figure similar

Model				
product brand name		SENTRON		
Product designation		Molded case circuit breaker		
Design of the product		Line protection		
Product variations		General Applications		
Ground fault monitoring version		Without		
Design of the auxiliary release		Without auxiliary release		
Design of the auxiliary switch		Without		
Design of the operating mechanism		toggle handle		
Type of the driving mechanism / motor drive		No		
Design of the overcurrent release		TM220		
General technical data				
Number of poles		3		
Trip class / of the L-trip / with I2t characteristic / initial value		1		
Trip class / of the L-trip / with I2t characteristic / Full- scale value		1		
Electrical endurance (switching cycles)				
• at AC-1 / at 380/415 V / at 50/60 Hz		8 000		
circuit-breaker / Design		3VA		
Mechanical service life (switching cycles) / typical		15 000		
Voltage				
Insulation voltage				
Rated value	V	800		

Protection class		
Protective function of the overcurrent release		LI
Switching capacity		
Switching capacity class of the circuit breaker		Н
Dissipation		
Active power loss	14/	12
• maximum	W	12
Electricity		
Operating current / at 45 °C / Rated value	А	20
Continuous current / Rated value / maximum	А	160
Continuous current		
Rated value	A	20
Adjustable response value current		
 of the current-dependent overload release / 	А	1
Full-scale value		
of the instantaneous short-circuit release / initial	A	10
value	~	000
Net weight	g	900
Main circuit		
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
 for DC / Rated value 	V	500
Operating current		
● at 40 °C / Rated value	A	20
● at 50 °C / Rated value	А	20
● at 55 °C / Rated value	А	20
• at 60 °C / Rated value	А	19
• at 65 °C / Rated value	А	19
• at 70 °C / Rated value	А	19
Auxiliary circuit		
Number of CO contacts		
 for auxiliary contacts 		0
-		
Suitability		system protection
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current		
● of I-trip / Full-scale value	А	10
 for N-conductor protection / initial value 	А	0
 for N-conductor protection / Full-scale value 	А	0

Adjustable response value current / of the current-	А	0.7
dependent overload release / initial value		
Appearance		
Product details		
Product component		
Trip indicator		No
● display		No
 Voltage trigger 		No
 undervoltage release 		No
 undervoltage release with leading contact 		No
Product property	-	
 for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof 		No
Product expansion		
• optional		
— motor drive		Yes
Product function		
Product function		
 Intrinsic device protection 		Yes
 communication function 		No
 Phase failure detection 		No
 other measurement function 		No
Accessories		
Manufacturer article number / of the supplied basic switch		3VA1120-6EE36-0AA0
Short circuit		
Operational short-circuit current breaking capacity		
(Ics)		
	kA	100
 (Ics) at 240 V / Rated value at 415 V / Rated value 	kA	70
 (Ics) ● at 240 V / Rated value 	kA kA	70 36
 (Ics) at 240 V / Rated value at 415 V / Rated value 	kA kA kA	70 36 15
(Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value • at 500 V / Rated value • at 690 V / Rated value	kA kA	70 36
<pre>(lcs)</pre>	kA kA kA kA	70 36 15 5
(Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value • at 500 V / Rated value • at 690 V / Rated value	kA kA kA kA kA	70 36 15
<pre>(lcs)</pre>	kA kA kA kA	70 36 15 5
(Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value • at 500 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) • at 240 V / Rated value	kA kA kA kA kA	70 36 15 5 100
<pre>(lcs)</pre>	kA kA kA kA kA	70 36 15 5 100 70

Heightmm130Widthmm76.2Depthmm70Mounting typefixed mountingEnvironmental conditionsfixed mountingAmbient temperature-25• during operation / minimum°C-25• during storage / minimum°C70• during storage / maximum°C40• during storage / maximum°C80	
Arrangement of electrical connectors Front terminal Type of connectable conductor cross-section 1 x (1.5 - 70 mm²) Design of the electrical connection Box terminal • for main current circuit Box terminal Mechanical Design mm Height mm Vidth mm Popth mm Mounting type fixed mounting Environmental conditions rised mounting Ambient temperature • C • during operation / minimum °C • during storage / minimum °C • during storage / maximum °C • acc. to DIN EN 61346-2 Q • acc. to DIN EN 81346-2 Q • acc. to DIN EN 81346-2 <td></td>	
Arrangement of electrical connectors Front terminal • for main current circuit Front terminal Type of connectable conductor cross-section 1 x (1.5 - 70 mm²) • of the round conductor terminal / stranded 1 x (1.5 - 70 mm²) Design of the electrical connection Box terminal • for main current circuit Box terminal Acchanical Design mm 130 Width mm 76.2 Depth mm 70 Mounting type fixed mounting • during operation / minimum °C -25 • during operation / minimum °C -25 • during storage / minimum °C -25 • during storage / maximum °C -40 • during storage / maximum °C 80 Certificates Q -40 Reference code Q Q • acc. to DIN EN 61346-2 Q Q • acc. to DIN EN 81346-2 Q Q • acc. to DIN EN 81346-2 Q -40 • acc. to DIN EN 81346-2 Q -40 • acc. to DIN EN 81346-2 Q <t< td=""><td></td></t<>	
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11206EE360AA0

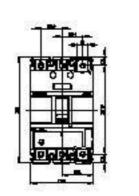
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11206EE360AA0/all

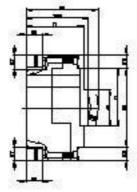
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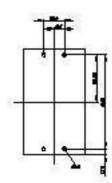
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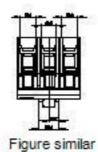
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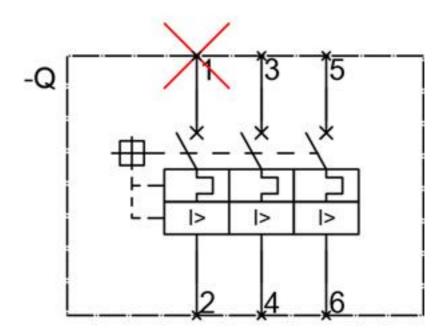


Figure similar

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