SIEMENS

Datasheet

3VA1116-6EE36-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=70KA @ 415 V 3-POLE, LINE PROTECTION TM220, ATFM, IN=160A OVERLOAD PROTECTION IR=112A ...160A 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		
/oltage				
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	10/	20
• maximum	W	38
Electricity		
Operating current / at 45 °C / Rated value	A	160
Continuous current / Rated value / maximum	А	160
Continuous current		
Rated value	А	160
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	А	160
• at 50 °C / Rated value	А	160
● at 55 °C / Rated value	А	158
• at 60 °C / Rated value	А	155
• at 65 °C / Rated value	А	153
• at 70 °C / Rated value	А	150
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		3VA1116-6EE36-0AA0
	_	
Short circuit Operational short-circuit current breaking capacity		
(lcs)		
• at 240 V / Rated value	kA	100
• at 415 V / Rated value	kA	70
• at 440 V / Rated value	kA	36
• at 500 V / Rated value	kA	15
• at 690 V / Rated value	kA	5
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	100
• at 415 V / Rated value	kA	70
• at 440 V / Rated value	kA	36
at 500 V / Rated value	kA	20
	kA kA	20 10

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 Front terminal Ambient temperature • • 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	
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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/3VA11166EE360AA0

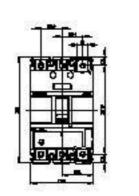
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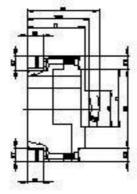
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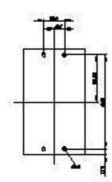
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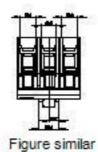
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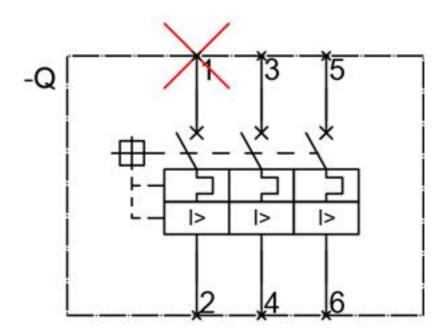


Figure similar

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