SIEMENS

Datasheet

3VA1150-6GE46-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=70KA @ 415 V 4-POLE, LINE PROTECTION TM220, ATFM, IN=50A OVERLOAD PROTECTION IR=35A ...50A SHORT CIRCUIT PROTECTION II=10 X IN NEUTRAL PROTECTION 100% CABLE CONNECTION

Figure similar

product brand name SENTRON Product designation Molded case circuit breaker Design of the product Line protection Product variations General Applications	
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 4	
Trip class / of the L-trip / with I2t characteristic / initial 1 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	W	14.6
• maximum	vv	14.0
Electricity		
Operating current / at 45 °C / Rated value	А	50
Continuous current / Rated value / maximum	А	160
Continuous current		
Rated value	А	50
Adjustable response value current		
 of the current-dependent overload release / 	А	1
Full-scale value		
• of the instantaneous short-circuit release / initial	А	10
value		
Net weight	g	1 200
Main circuit		
Operating voltage		
 with AC / at 50/60 Hz / Rated value 	V	690
 for DC / Rated value 	V	600
Operating current		
● at 40 °C / Rated value	А	50
• at 50 °C / Rated value	А	50
• at 55 °C / Rated value	А	49
• at 60 °C / Rated value	А	48
● at 65 °C / Rated value	A	46
● at 70 °C / Rated value	А	45
Auxiliary circuit		
Number of CO contacts		
for auxiliary contacts		0
-		
Suitability		
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	100

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		3VA1150-6GE46-0AA0
Short circuit		
Operational short-circuit current breaking capacity		
Operational short-circuit current breaking capacity (Ics)		100
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value	kA	100
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value	kA	70
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value	kA kA	70 36
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value	kA kA kA	70 36 15
Operational short-circuit current breaking capacity (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
Operational short-circuit current breaking capacity (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)	kA kA kA kA	70 36 15 5
Operational short-circuit current breaking capacity (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
Operational short-circuit current breaking capacity (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)	kA kA kA kA	70 36 15 5
Operational short-circuit current breaking capacity (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
Operational short-circuit current breaking capacity (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 • at 415 V / Rated value	kA kA kA kA kA	70 36 15 5 100 70

EAC	ouler	CE		GL		oner	
Approval	other	Conformity		Appro	I	other	
General Product	EMC	Declaration		Shipp		other	
acc. to DIN E					Q		
• acc. to DIN E					Q		
Reference code					0		
ertificates							
 during storag during storag 			°C		80		
 during operation during storag 			°C		-40		
 during operat during operat 			°C		-23 70		
 during operat 			°C		-25		
nvironmental cor Ambient temperatu			_	-	_		
Mounting type					fixed mount	ting	
Depth			mm mm		101.6 70		
Height Width			mm		130		
lechanical Desigr	า				120		
 for main curre 					Box termina	al	
Design of the elect						,	
 ype of connectable conductor cross-section of the round conductor terminal / stranded 				1 x (1.5 - 70 mm²)			
	for main current circuit				Front terminal		
-	rangement of electrical connectors				Front termin	nal	
onnections						_	_
					_		
• at 690 V / Ra			kA		17		
 at 415 V / Ra 	ted value		kA		154		

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/3VA11506GE460AA0

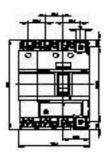
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11506GE460AA0/all

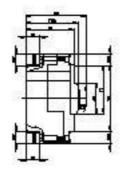
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11506GE460AA0

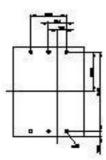
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications http://ausschreibungstexte.siemens.com/tiplv







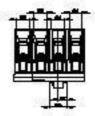


Figure similar

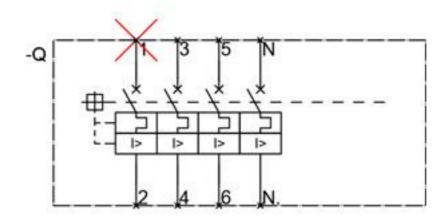


Figure similar

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