# **SIEMENS**

## Datasheet

# 3VA1125-6EE46-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=70KA @ 415 V 4-POLE, LINE PROTECTION TM220, ATFM, IN=25A OVERLOAD PROTECTION IR=17,5A ...25A SHORT CIRCUIT PROTECTION II=10 X IN NEUTRAL UNPROTECTED CABLE CONNECTION

Figure similar

oduct brand name oduct designation		SENTRON
oduct designation		
0		Molded case circuit breaker
esign of the product		Line protection
oduct variations		General Applications
ound fault monitoring version		Without
esign of the auxiliary release		Without auxiliary release
esign of the auxiliary switch		Without
esign of the operating mechanism		toggle handle
pe of the driving mechanism / motor drive		No
esign of the overcurrent release		TM220
neral technical data		
umber of poles		4
ip class / of the L-trip / with I2t characteristic / initial lue		1
ip class / of the L-trip / with I2t characteristic / Full- ale value		1
ectrical endurance (switching cycles)		
• at AC-1 / at 380/415 V / at 50/60 Hz		8 000
cuit-breaker / Design		3VA
echanical service life (switching cycles) / typical		15 000
tage		
sulation 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/	<b>A</b> 5
• maximum	W	8.5
Electricity		
Operating current / at 45 °C / Rated value	А	25
Continuous current / Rated value / maximum	А	160
Continuous current		
Rated value	А	25
Adjustable response value current		
<ul> <li>of the current-dependent overload release /</li> </ul>	А	1
Full-scale value		
of the instantaneous short-circuit release / initial	A	10
value		4 000
Net weight	g	1 200
Main circuit		
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
<ul> <li>for DC / Rated value</li> </ul>	V	600
Operating current		
• at 40 °C / Rated value	А	25
● at 50 °C / Rated value	А	25
• at 55 °C / Rated value	А	24
• at 60 °C / Rated value	А	24
• at 65 °C / Rated value	А	23
• at 70 °C / Rated value	А	23
Auxiliary circuit		
Number of CO contacts		
<ul> <li>for auxiliary contacts</li> </ul>		0
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current	٨	10
of I-trip / Full-scale value	A	10
• for N-conductor protection / initial value	A	0
<ul> <li>for N-conductor protection / Full-scale value</li> </ul>	A	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
<ul> <li>Voltage trigger</li> </ul>		No
<ul> <li>undervoltage release</li> </ul>		No
<ul> <li>undervoltage release with leading contact</li> </ul>		No
Product property	-	
<ul> <li>for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof</li> </ul>		No
Product expansion		
• optional		
— motor drive		Yes
Product function		
Product function		
<ul> <li>Intrinsic device protection</li> </ul>		Yes
<ul> <li>communication function</li> </ul>		No
<ul> <li>Phase failure detection</li> </ul>		No
<ul> <li>other measurement function</li> </ul>		No
Accessories		
Manufacturer article number / of the supplied basic switch		3VA1125-6EE46-0AA0
Short circuit	_	
Operational short-circuit current breaking capacity		
(Ics)		100
<ul> <li>(Ics)</li> <li>at 240 V / Rated value</li> </ul>	kA	100
<ul> <li>(Ics)</li> <li>• at 240 V / Rated value</li> <li>• at 415 V / Rated value</li> </ul>	kA	70
<ul> <li>(Ics)</li> <li>at 240 V / Rated value</li> </ul>	kA kA	70 36
<ul> <li>(Ics)</li> <li>at 240 V / Rated value</li> <li>at 415 V / Rated value</li> </ul>	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
(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
(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
(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
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(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	other	CE		GL		other	
General Product Approval	EMC	Declaration Conformity			ping roval	other	
• acc. to DIN					Q		
• acc. to DIN	EN 61346-2				Q		
Reference code							
ertificates							
<ul> <li>during storage / maximum</li> </ul>		°C		80			
<ul> <li>during stora</li> </ul>	ge / minimum		°C		-40		
<ul> <li>during operation / maximum</li> </ul>		°C		70			
<ul> <li>during operation</li> </ul>	ation / minimum		°C		-25		
Ambient temperat							
nvironmental co	onditions						
Mounting type					fixed moun	ting	
Depth			mm		70		
Vidth			mm		101.6		
Height	j''		mm		130		
echanical Desig	n						
<ul> <li>for main cur</li> </ul>	rent circuit				Box termin	al	
Design of the elec	trical connection						
of the round conductor terminal / stranded				1 x (1.5 - 7	0 mm²)		
Type of connectal	ble conductor cross-se	ction					
for main current circuit				Front termi	nal		
	lectrical connectors				_		
onnections			_				
• at 690 V / R	ated value		kA		17		
• at 415 V / R	ated 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/3VA11256EE460AA0

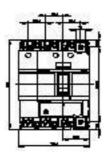
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11256EE460AA0/all

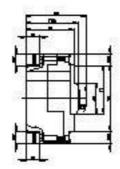
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA11256EE460AA0

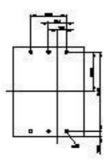
# CAx-Online-Generator

http://www.siemens.com/cax

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







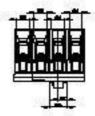


Figure similar

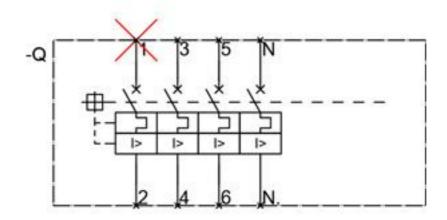


Figure similar

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