



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4POLE, LINE PROTECTION ETU320, LI, IN=63A OVERLOAD PROTECTION IR=25A ...63A SHORT CIRCUIT PROTECTION II=12 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,100%) BUSBAR CONNECTION

Similar to image

General technical data:		
product brand name		SETRON
Product designation		Molded Case Circuit Breakers
Acceptability for application		system protection
Design of the product		Line Protection
Product function	• communication function	No
	• other measurement function	No
Product component / display		No
Design of the overcurrent release		ETU320
Protective function of the overcurrent release		LI
Product property / for zero conductors / up/downgradable / short-circuit and overload protection		No
Continuous current / rated value	A	63
Operating voltage		
	• at 50/60 Hz / for AC / rated value	V 690
Insulation voltage / rated value	V	800
Number of poles		4
Active power loss / maximum	W	25.5

Switching capacity class of the circuit breaker		M
Protection class IP / on the front		IP40
Motor rating data:		
Product function / phase disturbance recognition		No
Schaltvermögen:		
Breaking capacity limit short-circuit current (I_{cu})		
• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2.5
Breaking capacity operating short-circuit current (I_{cs})		
• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2.5
Ultimate short-circuit current making capacity (I_{cm})		
• at 240 V / rated value	kA	187
• at 415 V / rated value	kA	121
• at 690 V / rated value	kA	3.75
Overcurrent Release:		
Adjustable response current		
• of the current-dependent overload release	A	0.397 ... 1
• of the non-delayed short-circuit release / initial value	A	1.5
Settable current response value / of I-trip / end value	A	12
Connections:		
Design of the electrical connection		
• for main current circuit		Lug Terminal
Control circuit:		
Number of changeover contacts		
• for auxiliary contacts		0
Product component		
• undervoltage release mechanism		No
• Voltage trigger		No
• undervoltage release with leading contact		No
• trip indicator		No
Manufacturer article number		
• 3 of the integrated auxiliary switch /alarm switch		
• of integrated auxiliary trip		

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C	-25 ... +70
°C	-40 ... +80

Dimensions and weights:

Width	mm	140
Height	mm	181
Depth	mm	107
Net weight	g	2,930

Lebensdauer:

Mechanical operating cycles as operating time / typical		20,000
Reference code / according to DIN EN 61346-2		Q

Certificates/approvals:

Declaration of Conformity

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/3VA2163-5HL42-0AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3VA2163-5HL42-0AA0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2163-5HL42-0AA0

CAX-Online-Generator

<http://www.siemens.com/cax>

last change:

May 14, 2014