## SIEMENS

## Data sheet

## 3VA2140-7MP36-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS C ICU=110KA @ 415 V 3-POLE, MOTOR PROTECTION ETU550M, LSI, In=40A OVERLOAD PROTECTION IR=16A ...40A SHORT CIRCUIT PROTECTION ISD=1,2... 15X IN,II=3...15X IN CABLE CONNECTION

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Motor protection
design of the overcurrent release	ETU550M
protection function of the overcurrent release	LSI
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
operating power / at AC-3 / at 400 V	18 500 W
operating power / at AC-3 / at 230 V	11 000 W
power loss [W] / maximum	1.6 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.53 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	14 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	9 800
electrical endurance (operating cycles) / at AC-3 / at 380/415 V	10 000
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>phase failure detection</li> </ul>	Yes
<ul> <li>other measurement function</li> </ul>	No
Net Weight	2.13 kg
Current	
operational current	
● at 40 °C	40 A
• at 45 °C	40 A
• at 50 °C	40 A
● at 55 °C	40 A
• at 60 °C	40 A
● at 65 °C	40 A
• at 70 °C	40 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	С
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	150 kA
• at 415 V	110 kA

• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	2.5 kA
operating short-circuit current breaking capacity (Ics)	
• at 240 V	150 kA
• at 415 V	110 kA
• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
• at 240 V	330 kA
• at 415 V	242 kA
• at 440 V	242 kA
• at 500 V	187 kA
• at 690 V	3.7 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	16 A
• maximum	40 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	3 s
• maximum	30 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic	
• minimum	48 A
• maximum	600 A
adjustable response value delay time (tsd) / for S-tripping / with l0t characteristic	
• minimum	0.03 s
• maximum	0.03 s
adjustable response value setting current (li) / for I-tripping	
• minimum	120 A
• maximum	600 A
adjustable setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	0 A
product function / grounding protection	No
adjustable trip class (Tc CLASS)	10A, 10/10E, 20/ 20E, 30/30E
tripping time (Tp) / with adjustable trip class (Tc CLASS)	. ,,,
minimum	3 s
• maximum	30 s
Mechanical Design	
product component	No
undervoltage release	No
voltage trigger	No
trip indicator	No
height [in]	7.13 in
height	181 mm
width [in]	4.13 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (6 - 120 mm²)
width	105 mm
depth [in]	3.39 in
depth	86 mm
Connections	
even compart of electrical compactors (for main surrent circuit	Front terminal
arrangement of electrical connectors / for main current circuit	
type of electrical connection / for main current circuit	double-sided box terminal
	double-sided box terminal tin

design of the surface / of the connections / on the bottom of the switch $({\sf N},2,4,6)$			tin					
Auxiliary circuit								
number of CO contacts / for auxiliary contacts			0					
Accessories								
product extension / optional / motor drive			Yes					
Environmental condition	ns							
protection class IP / on the front			IP40					
ambient temperature								
during operation / minimum		-25 °C						
<ul> <li>during operation</li> </ul>	/ maximum		70 °C					
<ul> <li>during storage / r</li> </ul>	ninimum		-40 °C					
• •	during storage / maximum							
Certificates								
reference code / accord	ling to IEC 81346-2		Q					
General Product App	roval					EMC		
	<u>Confirmation</u>	DE	•	<u>Miscellaneous</u>	EAC	RCM		
CCC		VDE Test Certificate	es	<u>Miscellaneous</u>	<b>ERIC</b> Marine / Shipping	RCM		
Declaration of Confor		Test Certificate Special Test Certificate		<u>Miscellaneous</u>	LIIL	RCM		
	mity CE	Special Test Ce			LIIL	RCM		

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Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2140-7MP36-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2140-7MP36-0AA0

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

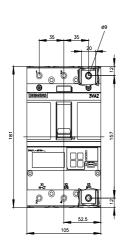
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA2140-7MP36-0AA0

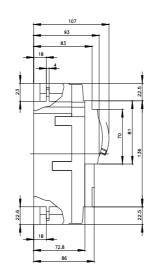
CAx-Online-Generator

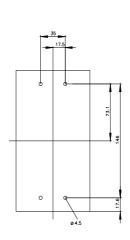
http://www.siemens.com/cax

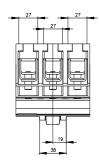
**Tender specifications** 

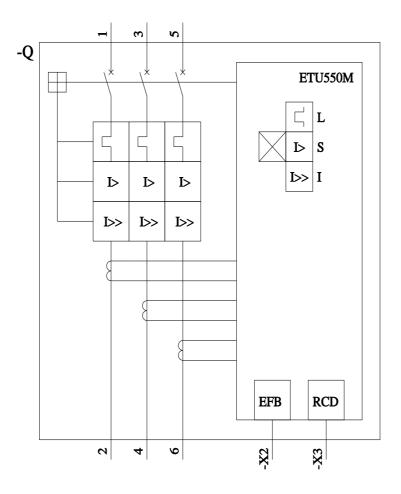
http://www.siemens.com/specifications











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