SIEMENS

Data sheet



circuit breaker 3VA2 IEC frame 1250 breaking capacity class M Icu=55kA @ 415 V 4-pole, line protection ETU340, ELISA LI, In=1250A overload protection Ir=500A ...1250A short circuit protection Ii=10 x In N conductor protection adjustable (OFF, up to 100%) nut keeper kit

Model		
product brand name	SENTRON	
product designation	Molded case circuit breaker	
design of the product	Line protection	
design of the overcurrent release	ETU340	
protection function of the overcurrent release	ELISA LI	
number of poles	4	
General technical data		
insulation voltage / rated value	800 V	
operating voltage / at AC / rated value	690 V	
power loss [W] / maximum	516 W	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	172 W	
mechanical service life (operating cycles) / typical	10 000	
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	4 600	
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 200	
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No	
ground-fault monitoring version	Without	
product function		
 communication function 	No	
 other measurement function 	No	
Net Weight	26.323 kg	
Current		
operational current		
• at 40 °C	1 250 A	
• at 45 °C	1 250 A	
• at 50 °C	1 250 A	
• at 55 °C	1 187 A	
• at 60 °C	1 125 A	
• at 65 °C	1 000 A	
• at 70 °C	875 A	
Switching capacity according to IEC 60947		
switching capacity class of the circuit breaker	M	
maximum short-circuit current breaking capacity (Icu)		
• at 240 V	85 kA	
• at 415 V	55 kA	
• at 440 V	55 kA	
• at 500 V	36 kA	
• at 690 V	25 kA	
operating short-circuit current breaking capacity (Ics)		

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General Product Approval	·	EMC
reference code / according to IEC 81346-2	Q	
Certificates		
during storage / minimum during storage / maximum	80 °C	
during operation / maximum during storage / minimum	-40 °C	
during operation / maximum	70 °C	
during operation / minimum	-25 °C	
protection class IP / on the front ambient temperature	U+ U	
	IP40	
product extension / optional / motor drive Environmental conditions	No	
	No	
Accessories		
number of CO contacts / for auxiliary contacts	0	
switch (N, 2, 4, 6) Auxiliary circuit		
design of the surface / of the connections / on the bottom of the	silver	
switch (N, 1, 3, 5)		
design of the surface / of the connections / on the top of the	silver	
type of electrical connection / for main current circuit	both sides processed busbar connection piece	
arrangement of electrical connectors / for main current circuit	Front terminal	
Connections		
depth	120 mm	
depth [in]	4.72 in	
width	280 mm	
width [in]	11.02 in	
height [in] height	320 mm	
·	12.6 in	
trip indicator	No	
voltage trigger	No	
undervoltage release	No	
product component		
Mechanical Design		
product function / grounding protection	No	
design of the N-conductor protection	adjustable OFF; 50%; 100%	
• maximum	1 250 A	
• minimum	625 A	
adjustable absolute value setting current (InN) / for N-tripping		
• maximum	12 500 A	
• minimum	12 500 A	
adjustable response value setting current (li) / for l-tripping		
• maximum	1 300 s	
• minimum	1 300 s	
adjustable response value delay time (tr) / for L-tripping / with l4t characteristic		
characteristic		
adjustable current response value current / of the L-trip / with I4t	500 1 250 A	
product feature / for L-tripping / can be switched on/off	No	
Adjustable parameters		
• at 690 V	52.5 kA	
• at 500 V	75.6 kA	
• at 440 V	121 kA	
• at 415 V	121 kA	
• at 240 V	187 kA	
short-circuit current making capacity (Icm)		
• at 690 V	19 kA	
• at 500 V	36 kA	
• at 440 V	55 kA	
• at 415 V	55 kA	
• at 240 V	85 kA	





Miscellaneous





Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Miscellaneous





Marine / Shipping

othor

Dangerous Good

Environment



Miscellaneous

Confirmation

Miscellaneous

Transport Information

Environmental Confirmations

Further information

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=3VA2612-5HK42-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2612-5HK42-0AA0

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

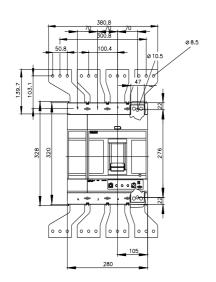
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2612-5HK42-0AA0

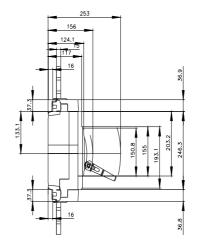
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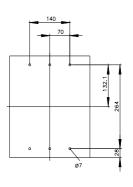
http://www.siemens.com/cax

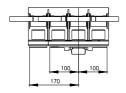
Tender specifications

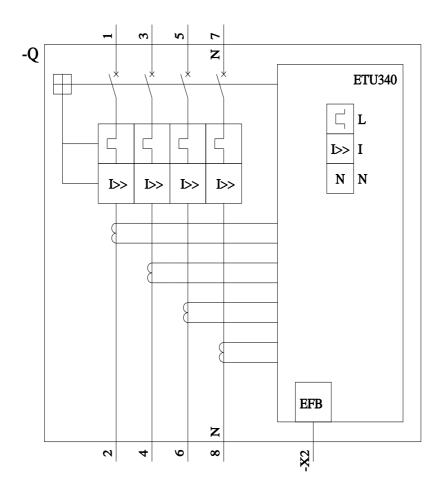
http://www.siemens.com/specifications











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