SIEMENS

Data sheet



circuit breaker 3VA2 IEC frame 160 breaking capacity class E Icu=200 kA @ 415 V 3-pole, line protection ETU860, LSIG, In=25A overload protection Ir=10A ... 25A short circuit protection Isd=0,6...10xIn, Ii=1,5...12xIn cable connection

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	ETU860
protection function of the overcurrent release	LSIG
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	0.5 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.17 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
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	Yes
ground-fault monitoring version	Summation current formation L-conductor
product function	
 communication function 	Yes
other measurement function	Yes
Net Weight	2.5 kg
Current	
operational current	
• at 40 °C	25 A
• at 45 °C	25 A
● at 50 °C	25 A
● at 55 °C	25 A
• at 60 °C	25 A
• at 65 °C	25 A
• at 70 °C	25 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	E
maximum short-circuit current breaking capacity (lcu)	
• at 415 V	200 kA
• at 690 V	85 kA
operating short-circuit current breaking capacity (lcs)	
• at 415 V	200 kA
• at 690 V	65 kA
short-circuit current making capacity (Icm)	

● at 415 V	440 kA
• at 690 V	187 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 12t characteristic	
• minimum	10 A
• maximum	25 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
maximum adjustable response value setting current (led) / of S trip / with	25 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic	15 A
minimum maximum	15 A 250 A
adjustable response value setting current (Isd) / of S-trip / with	230 A
12t characteristic	15 A
maximum	250 A
adjustable response value delay time (tsd) / for S-tripping / with	
10t characteristic	0.05
• minimum	0.05 s
maximum adjustable response value delay time (tsd) / for S-tripping / with 12t characteristic	0.5 s
• minimum	0.05 s
• maximum	0.5 s
adjustable response value setting current (li) / for I-tripping	
• minimum	38 A
maximum	300 A
adjustable current response value current / for G-tripping / with standard characteristic	
• initial value	15 A
• full-scale value	25 A
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic	
• maximum	0.8 s
adjustable response value setting current (Ig) / for G-tripping / with I2t characteristic	
• minimum	15 A
maximum adjustable response value delay time (tg) / for G-tripping / with 12t characteristic	25 A
I2t characteristic ● minimum	0.05 s
minimum maximum	0.05 s 0.8 s
adjustable absolute value setting current (InN) / for N-tripping	0.00
minimum	10 A
• maximum	40 A
design of the N-conductor protection	adjustable OFF; 40% to 160%
product function / grounding protection	Yes
Mechanical Design	
product component	
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		
arrangement of electrical connectors / for main current circuit	Front terminal	
type of electrical connection / for main current circuit	double-sided box terminal	
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	tin	
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) $$	tin	
Auxiliary circuit		
number of CO contacts / for auxiliary contacts	0	
Accessories		
product extension / optional / motor drive	Yes	
Environmental conditions		
protection class IP / on the front	IP40	
ambient temperature		
 during operation / minimum 	-25 °C	
 during operation / maximum 	70 °C	
 during storage / minimum 	-40 °C	
during storage / maximum	80 °C	
Certificates		
reference code / according to IEC 81346-2	Q	
General Product Approval		EMC

Confirmation





Miscellaneous





Declaration of Conformity

Test Certificates

Marine / Shipping





Special Test Certificate Miscellaneous





 Marine / Shipping
 other
 Dangerous Good
 Environment

 CCS / China Classification Society
 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=3VA2125-0KQ36-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2125-0KQ36-0AA0

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

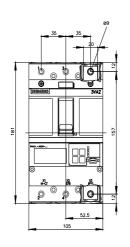
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2125-0KQ36-0AA0

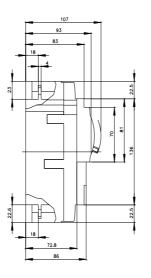
CAx-Online-Generator

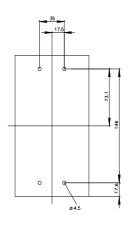
http://www.siemens.com/cax

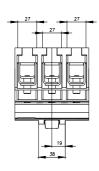
Tender specifications

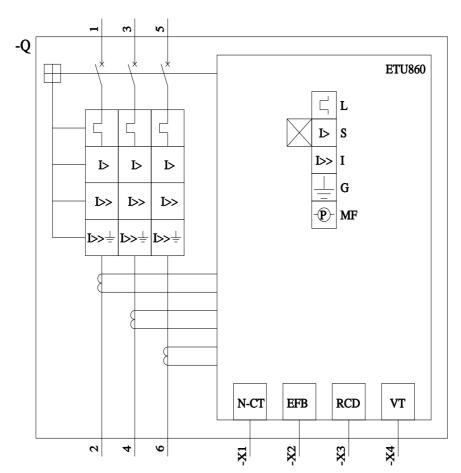
http://www.siemens.com/specifications











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