## SIEMENS

## Data sheet

## 3VA6210-5KM41-0AA0



circuit breaker 3VA6 UL frame 250 breaking capacity class M 35kA @ 480V 4-pole, line protection ETU830, LIG, In=100A overload protection Ir=40A...100A short-circuit protection Ii=1.5...12 x In ground-fault protection Ig=0.2...1 x In, tg=0.05-0.8s without connection

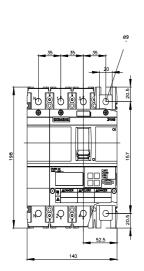
Model			
product brand name	SENTRON		
product designation	Molded-case circuit breaker		
product designation / according to UL file	MFAE		
design of the product	System protection		
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes		
design of the overcurrent release	ETU830		
protection function of the overcurrent release	LIG		
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	6.7 W		
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.23 W		
mechanical service life (operating cycles) / typical	25 000		
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	12 000		
electrical endurance (operating cycles) / at AC-1 / at 690 V	8 400		
electrical endurance (operating cycles) / at 480 V	12 000		
electrical endurance (operating cycles) / at 600 V	8 400		
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No		
ground-fault monitoring version	Summation current formation L + N-conductor		
product function			
<ul> <li>communication function</li> </ul>	Yes		
<ul> <li>other measurement function</li> </ul>	Yes		
Net Weight	3.2 kg		
Current			
marking / according to UL 489 / 100%-rated breaker	No		
operational current			
● at 40 °C	100 A		
● at 45 °C	100 A		
● at 50 °C	100 A		
● at 55 °C	100 A		
• at 60 °C	100 A		
● at 65 °C	100 A		
• at 70 °C	100 A		
Switching capacity according to IEC 60947			
switching capacity class of the circuit breaker	Μ		
maximum short-circuit current breaking capacity (Icu)			

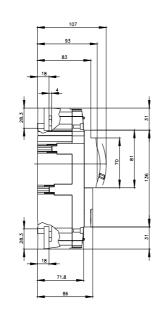
••••••••••••••••••••••••••••••••••••	101011	2514
• # 00 Y3 kAoperating short-chout current breaking capacity (ics)85 kA• # 240 Y85 kA• # 415 V30 kA• # 60 V107 kA• # 416 V108 kA• # 416 V109 kA• # 416 V100 kA• # 416 V1	• at 240 V	85 kA
cperating short-cruit current breaking capacity (ics)         85 kA           • et al 415 V         85 kA           • et al 60 V         9 kA           • et al 61 V         9 kA           • et al 61 V         10 F kA           • et al 61 V         12 F kA           • et al 60 V         12 KA           • et al 60 V         10 KA           • et al 60 V         10 V kA           • et al 60 V inte (h) / for I - htpiping / whi 12 <t< td=""><td></td><td></td></t<>		
a 240 V     B5 A       a 414 15 V     55 AA       a 416 50 V     3 KA       abort-cruit current making capacity (tern)		3 KA
- • • • • • • • • • • • • • • • • • • •		
• 100 V3 kAelect-circuit current making capacity (Icm)137 KA• 11 40 V137 KA• 11 41 5 V121 KA• 11 40 V4 5 SASwitching capacity according to UL 489• 11 40 V100 KA• 11 40 V105 KA• 11 40 V100 KA• 11 40 KA100 KA <trr>• 11 40 KA100 KA•</trr>		
shart-freezid current making capacity (Icm)     187 KA       • at 240 V     187 KA       • at 450 V     45 KA       Subching capacity according to UL 489     100 KA       • at 460 V     100 A		
ar 240 V127 KA• a1 415 V121 KA• a1 680 V45 SASwitching expansity according to UL 483• a1 680 V55 KA• a1 680 V100 KA• a1 680 V18 kA• a1 680 V100 A• a1 680 V05 s• a1 680 V100 A• a1 680 V00 A• a1 680 V100 A• a1 680 V00 A• a1 680 V00 A• a1 680 V100 A•		3 KA
• at 14 5 V         12 1 kA           • at 26 50 V         4.5 kA           Switching capacity according to UL-495		
4.5 kASwitching capacity4.5 kASwitching capacity100 kA• at 240 V100 kA• at 340 V35 kA• at 480 V/A1 V18 kAAdjustable parameters40 Aadjustable response value setting current (I/) / of the Ltrip / with L2100 AAdjustable response value setting current (I/) / of the Ltrip / with L2100 Aadjustable response value setting current (I/) / of the Ltrip / with L2100 Aadjustable response value setting current (I/) / of t-Liripping100 Aadjustable response value setting current (I/) / of t-Liripping100 Aadjustable response value setting current (I/) / of t-Liripping100 Aadjustable response value setting current (I/) / of t-Liripping100 Aadjustable response value setting current (I/) / of t-Liripping100 Aadjustable response value setting current (I/) / of t-Liripping / with 12 kharteristile100 Aadjustable response value setting current (I/) / of G-Liripping / with 12 kharteristile100 Aadjustable response value setting current (Ig) / for G-liripping / with 12 kharteristile00 Aadjustable response value setting current (Ig) / for G-liripping / with 12 kharteristile00 Aadjustable response value setting current (Ig) / for G-liripping / with 12 kharteristile00 Aadjustable response value current / of Instantaneous00 Aadjustable response value current / of Instantaneous00 Aadjustable response value current / of Instantaneous00 Aadjustable current response value current / of Instantaneous00 Aa		
Switching capacity according to UL 489           current breaking capacity           • at 240 V           • at 800 V           • at 800 V/347 V           • at 800 V/341 V/340           • at 800 V/340 V/340           • at 800 V/340 V/340 V/		
current treaking capacity     00 kA       • at 240 V     35 kA       • at 600 V/347 V     15 kA       Adjustable parameters     00 kA       adjustable parameters     00 kA       adjustable parameters     00 kA       • minimum     40 A       • minimum     00 A       • minimum     05 s       • minimum     25 s       • minimum     26 s       • minimum     26 s       • minimum     20 A       • minimum     0.05 s       • minimum     0.05 s       • minimum     0.06 s       • minimum     0.06 s       • minimum     0.06 s       • minimum     0.05 s       • minimum     100.A       • minimum     100 A		4.5 kA
at 240 V100 kA• at 480 V35 kA• at 600 V(347 V)18 kA• at 600 V18 kA• at 600 V100 A• at 600 kB100 A• at 600 kB100 A• at 600 kB05 5• at 600 kB25 5• at 600 kB25 5• at 600 kB100 A• at 600 kB25 5• at 600 kB25 5• at 600 kB100 A• at 600 kB20 A• at 600 kB100 A• at 600 kB100 A• at 600 kB20 A• infait value20 A• infait value0.05 5• at 600 kB0.05 5• at 700 kB0.05 5• at 700 kB100 A• at 700 kB0.05 5• at 700 kB0.05 5 <trr>• at 700 kB0.05 5</trr>	Switching capacity according to UL 489	
• at 480 V35 kA• at 600 Y/347 V18 kA• at 600 V/347 V18 kAAdjustable response value setting current (ti) / of the L-tip / with 12 hohracteristic40 A• minimum40 A• minimum100 Aadjustable response value delay time (tr) / for L-tripping / with 12t hohracteristic5 s• minimum25 sadjustable response value setting current (ti) / for L-tripping / with 12t hohracteristic5 sadjustable response value setting current (ti) / for L-tripping / with 12t hohracteristic5 sadjustable corponse value setting current (ti) / for C-tripping / with istandard characteristic100 A• minimum1200 A• minial value20 A• full-scale value00 A• minimum0.05 s• minimum0.04• dijustable response value setting current (tip) / for C-tripping / with 12t characteristic• minimum0.05 s• minimum0.05 s<	current breaking capacity	
	• at 240 V	100 kA
+ ei 600 V     18 kA       Adjustabile parameteras     -       Adjustabile parameteras     -       adjustable response value setting current (i/) / of the L-trip / wth     40 A       • maximum     100 A       • distable response value delay time (tr) / for L-tripping / wth l2t     -       • minimum     0.5 s       • maximum     28 s       adjustable response value setting current (i/) / for L-tripping / wth     150 A       • maximum     1200 A       adjustable response value setting current / for C-tripping / wth     20 A       • full cacle value     20 A       • full cacle value     20 A       • full cacle value     0.05 s       • minimum     0.05 s       • full cacle value     20 A       • full cacle value     0.05 s       • minimum     0.06 s       • minimum     0.05 s       • minimum     0.05 s       • minimum     0.06 s       • minimum <td>• at 480 V</td> <td>35 kA</td>	• at 480 V	35 kA
Adjustable parameters         adjustable response value setting current (if) / of the L-trip / with         12 characteristic         • minimum         adjustable response value delay time (tr) / for L-tripping / with 12t         • maximum         • adjustable response value delay time (tr) / for L-tripping / with 12t         • maximum         • adjustable response value setting current (iii) / for I-tripping         • minimum         • maximum         • adjustable response value current / for G-tripping / with         standard characteristic         • initial value         • initianum         • 0.05 s         • maximum         • 0.04 characteristic         • initianum         • initianum         • 0.05 s         • minimum         • diulstable response value delay time (tg) / for G-tripping / with         12/2 characteristic         • minimum         • maximum         • diulstable response value delay time (tg) / for G-trippi	• at 600 Y/347 V	18 kA
adjustable response value setting current (i/) / of the L-trip / with I/2 characteristic minimum adjustable response value delay time (i/) / for L-tripping / with I/2 characteristic minimum characteristic minimum minimum iminimum iminimum iminimum iminimum iminimum iminimum iminimum iminimum iminimum iminimum iminimum iminimum adjustable response value delay time (ig) / for G-tripping / with if uff-scale value iminimum iminimum iminimum iminimum iminimum iminimum adjustable response value delay time (ig) / for G-tripping / with if uff-scale value iminimum iminimum iminimum iminimum adjustable response value delay time (ig) / for G-tripping / with if uff-scale value iminimum iminimum adjustable response value delay time (ig) / for G-tripping / with if uff-scale value iminimum adjustable response value delay time (ig) / for G-tripping / with if uff-scale value iminimum adjustable response value delay time (ig) / for G-tripping / with if characteristic iminimum adjustable response value delay time (ig) / for G-tripping / with if characteristic iminimum adjustable response value delay time (ig) / for G-tripping / with if characteristic iminimum adjustable response value delay time (ig) / for G-tripping / with if characteristic iminimum iminimu		18 kA
12 characteristic       40 A         • maximum       100 A         adjustable response value delay time (tr) / for L-tripping / with IZL       -         • minimum       0.5 s         adjustable response value setting current (li) / for L-tripping       -         • minimum       150 A         • maximum       1200 A         adjustable cresponse value setting current (li) / for C-tripping / with ISL standard characteristic       -         • initial value       20 A         • minimum       0.05 s         • maximum       0.8 s         adjustable response value delay time (tg) / for G-tripping / with 10 characteristic       -         • minimum       0.05 s         • minimum       0.05 s         • minimum       0.8 s         adjustable response value delay time (tg) / for G-tripping / with 12 characteristic       -         • minimum       0.05 s         • minimum       0.05 s         • minimum       0.8 s         adjustable response value delay time (tg) / for G-tripping / with 12 characteristic         • minimum       0.05 s         • minimum       0.05 s	Adjustable parameters	
• minimum     40 A       • maximum     100 A       • adjustable response value delay time (tr) / for L-tripping / with 12t        • minimum     0.5 s       • minimum     0.5 s       • maximum     25 s       adjustable response value setting ourrent (il) / for I-tripping     150 A       • maximum     1200 A       adjustable current response value current / for G-tripping / with standard characteristic     00 A       • full-scale value     100 A       adjustable response value delay time (tg) / for G-tripping / with fol characteristic     00 A       • minimum     0.05 s       • maximum     0.05 s       • maximum     0.05 s       • maximum     0.05 s       • maximum     0.05 s       • minimum     0.06 s       • minimum     0.04 A       • minimum     0.05 s       • minimum     0.04 A       • minimum     0.05 s       • minimum     0.04 A       • minimum     0.04 A       • minimum     0.05 s       • minimum     0.04 A       • minimum     0.05 s       • minimum     0.04 A       • dijustable exponse value delay time (tg) / for G-tripping / with standard characteristic     0.05 s       • mininimum     0.04 A       • d		
• maximum100 Aadjustable response value delay time (tr) / for L-tripping / with 12t of maximum0.5 s• minimum0.5 sadjustable response value setting current (ii) / for L-tripping • minimum150 A• maximum120 Aadjustable current response value current / for G-tripping / with standard characteristic20 A• initial value20 A• initial value0.05 s• minimum0.05 s• minimum0.05 s• initial value20 A• initial value0.05 s• minimum0.05 s• minimum0.05 s• minimum0.05 s• minimum0.05 s• maximum0.05 s• maximum160 Aadjustable exponse value current / of instantaneous short-circut ip unit• minimum120 A• minimum120 A• maximum120 A• maximum120 A• maximum120 A• maximum120 A• maximum120 A• minimum120 A• minimum120 A </td <td></td> <td></td>		
adjustable response value delay time (tr) / for L-tripping / with 12t       0.5 s         • minimum       25 s         adjustable response value setting current (li) / for I-tripping       150 A         • maximum       1200 A         adjustable response value setting current / for G-tripping / with       20 A         • full-scale value       100 A         adjustable compones value delay time (tg) / for G-tripping / with       0.05 s         • minimum       0.05 s         • maximum       0.05 s         • maximum       0.05 s         • minimum       0.05 s         • maximum       0.04 A         adjustable response value delay time (tg) / for G-tripping / with       100 A         adjustable response value delay time (tg) / for G-tripping / with       20 A         • minimum       0.05 s         • minimum       0.04 A         adjustable current (nN) / fo		
characteristic innimum 0.5 s		100 A
• minimum0.5 s• maximum28 sadjustable response value setting current (ii) / for I-tripping150 A• maximum1200 Aadjustable current response value current / for G-tripping / with standard characteristic0 A• initial value00 A• initial value100 Aadjustable response value delay time (tg) / for G-tripping / with 10t characteristic0.05 s• minimum0.05 s• maximum0.8 sadjustable response value setting current (tg) / for G-tripping / with 12t characteristic0.05 s• maximum0.05 s• maximum0.05 s• maximum0.05 s• maximum0.05 s• maximum0.05 s• minimum0.05 s• maximum0.05 s• minimum0.05 s• minimum0.05 s• maximum0.05 s• minimum0.05 s• minimum100 Aadjustable response value current / of instantaneous short-circuit trip unt150 A• minimum120 A• minimum120 A• minimum120 A• minimum120 A• design of the N-conductor protectionYes• total brack time / for C-tripping / with standard characterisic• initial value0.05 s• initial value0.05 s </td <td></td> <td></td>		
• maximum         25 s           adjustable response value setting current (II) / for I-tripping / with standard characteristic         1200 A           adjustable current response value current / for G-tripping / with standard characteristic         20 A           • initial value         20 A           • initial value         20 A           • initial value         20 A           • initial value delay time (tg) / for G-tripping / with 10f characteristic         100 A           • inaximum         0.05 s           • inaximum         0.8 s           adjustable response value delay time (tg) / for G-tripping / with 12f characteristic         20 A           • inaximum         0.8 s           adjustable response value delay time (tg) / for G-tripping / with 12f characteristic         20 A           • ininimum         0.05 s           • ininimum         0.05 s           • ininimum         0.06 s           • ininimum         0.8 s           adjustable response value delay time (tg) / for G-tripping / with 12f characteristic         160 A           • ininimum         0.8 s           adjustable current (IN) / for N-tripping         160 A           • ininimum         120 A           • ininimum         160 A           • ininimum         1200 A		0.5 s
adjustable response value setting current (li) / for I-tripping       150 A         • maximum       1 200 A         adjustable current response value current / for G-tripping / with standard characteristic       1 200 A         • Initial value       20 A         • Initial value       0.05 s         • initimum       0.05 s         • maximum       0.05 s         • Initimum       160 A         • Initimum       150 A         • Initimum       150 A <tr< td=""><td></td><td></td></tr<>		
• minimum     150 A       • maximum     1200 A       adjustable current response value current / for G-tripping / with     20 A       • initiasie value     20 A       adjustable response value delay time (tg) / for G-tripping / with     100 A       adjustable response value delay time (tg) / for G-tripping / with     0.05 s       • initiasie value     0.05 s       • initiasie     20 A       • initiasie     0.05 s       • maximum     0.05 s       • initimum     0.05 s       • initiastable response value setting current (tg) / for G-tripping / with     100 A       adjustable response value delay time (tg) / for G-tripping / with     100 A       adjustable response value delay time (tg) / for G-tripping / with     100 A       adjustable response value delay time (tg) / for G-tripping / with     100 A       adjustable response value delay time (tg) / for G-tripping / with     100 A       adjustable setting current (INN) / for N-tripping     0.05 s       • inaximum     0.05 s       • initimum     100 A       • dijustable current response value current / of instantaneous short-circuit trip unit     150 A       • initimum     150 A       • initimum     1200 A       • initimum     120 A       • initimum     120 A       • initimum     120 A		
• maximum1 200 Aadjustable current response value current / for G-tripping / with standard characteristic20 A• initial value20 A• iull-scale value100 Aadjustable response value delay time (tg) / for G-tripping / with 10t characteristic0.05 s• innimum0.05 s• maximum0.08 sadjustable response value setting current (g) / for G-tripping / with 12t characteristic0.05 s• minimum0.05 s• minimum0.05 s• maximum100 Aadjustable response value setting current (g) / for G-tripping / with 12t characteristic0.05 s• minimum0.05 s• minimum0.05 s• minimum0.05 s• maximum0.05 s• minimum0.05 s• maximum0.05 s• minimum0.05 s• minimum160 Aadjustable current (nN) / for N-tripping160 Aadjustable current for G-tripping / with 12t characteristic150 A• minimum150 A• minimum150 A• maximum1200 A• minimum150 A• minimum1200 A• minimum0.05 s• initial value0.05 s• in		150 A
adjustable current response value current / for G-tripping / with       20 A         • full-scale value       100 A         adjustable response value delay time (tg) / for G-tripping / with       100 A         010 characteristic       0.05 s         • maximum       0.8 s         adjustable response value setting current (tg) / for G-tripping / with       100 A         adjustable response value setting current (tg) / for G-tripping / with       20 A         • maximum       0.05 s         • minimum       0.04 A         adjustable response value setting current (tg) / for G-tripping / with       20 A         • minimum       0.04 A         adjustable response value delay time (tg) / for G-tripping / with       20 A         • maximum       0.05 s         • minimum       0.05 s         • minimum       0.05 s         • minimum       0.05 s         • minimum       0.05 s         • maximum       0.8 s         adjustable current (nN) / for N-tripping       minimum         • minimum       150 A         • maximum       1200 A         • maximum       1200 A         • delayable OFF; 20% to 160%       product function / grounding protection         • full-scale value       0.05 s		
standard characteristic     20 A       • initial value     20 A       adjustable response value delay time (tg) / for G-tripping / with 10t characteristic     0.05 s       • minimum     0.05 s       • minimum     0.8 s       adjustable response value setting current (tg) / for G-tripping / with 12t characteristic     0.05 s       • minimum     20 A       • minimum     0.05 s       • minimum     160 A       adjustable setting current (InN) / for N-tripping     s       • minimum     1200 A       • design of the N-conductor protection     adjustable OFF; 20% to 160%       product function / grounding protection     Yes       total break time / for C-tripping / with standard characteristic     0.05 s       • initial value     0.05 s       • initial value     0.05 s       • initial value     0.8 s		
• full-scale value100 Aadjustable response value delay time (tg) / for G-tripping / with lot characteristic0.05 s• minimum0.05 sadjustable response value setting current (tg) / for G-tripping / with 12t characteristic20 A• minimum20 A• minimum100 Aadjustable response value delay time (tg) / for G-tripping / with 12t characteristic0.05 s• minimum0.05 s• minimum0.8 sadjustable response value delay time (tg) / for G-tripping / with lot haracteristic• minimum0.05 s• maximum0.8 sadjustable current response value current / of instantaneous short-circuit trip unit• minimum150 A• maximum1200 Adesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionYestotal break time / for G-tripping / with standard characteristic • initial value0.05 s• full-scale value0.05 s• full-scale value0.8 sMechanical DesignImage Nameproduct componentNo• undervoltage releaseNo• voltage triggerNo• trip indicatorNo		
adjustable response value delay time (tg) / for G-tripping / with INIT characteristic       0.05 s         • maximum       0.8 s         adjustable response value setting current (lg) / for G-tripping / with I2t characteristic       0.8 s         • minimum       20 A         • maximum       100 A         adjustable response value delay time (tg) / for G-tripping / with I2t characteristic       0.05 s         • maximum       0.05 s         • maximum       0.05 s         • maximum       0.05 s         • maximum       0.8 s         adjustable setting current (InN) / for N-tripping       •         • maximum       0.8 s         adjustable current response value current / of instantaneous short-circuit trip unit       160 A         adjustable current response value current / of instantaneous short-circuit trip unit       150 A         • maximum       1200 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       0.05 s         • full-scale value       0.8 s         Mechanical Design       No         • undervoltage release       No         • voltage trigger       No	initial value	20 A
IOI characteristic     0.05 s       • maximum     0.8 s       adjustable response value setting current (lg) / for G-tripping / with 12t characteristic     0.8 s       • maximum     20 A       • maximum     100 A       adjustable response value delay time (lg) / for G-tripping / with 12t characteristic     0.05 s       • minimum     0.05 s       • minimum     0.05 s       • minimum     0.8 s       adjustable response value delay time (lg) / for G-tripping / with 12t characteristic     0.8 s       • minimum     0.8 s       adjustable setting current (lnN) / for N-tripping     •       • minimum     160 A       adjustable current response value current / of instantaneous short-circuit trip unit     150 A       • maximum     1200 A       design of the N-conductor protection     adjustable OFF; 20% to 160%       product function / grounding protection     Yes       total break time / for G-tripping / with standard characteristic     0.05 s       • full-scale value     0.8 s       Mechanical Design     No       moduct romotent     No       • undervoltage release     No       • voltage trigger     No	full-scale value	100 A
• minimum       0.05 s         • maximum       0.8 s         adjustable response value setting current (lg) / for G-tripping / with 12t characteristic       20 A         • maximum       100 A         adjustable response value delay time (tg) / for G-tripping / with 12t characteristic       0.05 s         • minimum       0.05 s         • minimum       0.8 s         adjustable setting current (lnN) / for N-tripping       0.8 s         adjustable setting current (lnN) / for N-tripping       20 A         • maximum       0.8 s         adjustable current response value current / of instantaneous short-circuit trip unit       160 A         adjustable current response value current / of instantaneous short-circuit trip unit       150 A         • maximum       1200 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       Initial value         • full-scale value       0.8 s         Mechanical Design       No         • undervoltage release       No         • voltage trigger       No		
• maximum0.8 sadjustable response value setting current (lg) / for G-tripping / with 12t characteristic20 A• minimum20 A• maximum100 Aadjustable response value delay time (tg) / for G-tripping / with 12t characteristic0.05 s• minimum0.05 s• maximum0.8 sadjustable setting current (lnN) / for N-tripping90 A• maximum0.8 sadjustable setting current (lnN) / for N-tripping• minimum20 A• maximum160 Aadjustable current response value current / of instantaneous short-circuit trip unit• minimum150 A• maximum1200 Adesign of the N-conductor protectionYestotal break time / for C-tripping / with standard characteristic• initial value0.05 s• full-scale value0.8 sMechanical DesignNovoltage releaseNo• voltage riggerNo• trip indicatorNo	10t characteristic	
adjustable response value setting current (lg) / for G-tripping /       vminimum         wininum       20 A         emaximum       100 A         adjustable response value delay time (tg) / for G-tripping / with l2t characteristic       0.05 s         emaximum       0.8 s         adjustable setting current (InN) / for N-tripping       20 A         emaximum       0.8 s         adjustable setting current (InN) / for N-tripping       20 A         emaximum       160 A         adjustable current response value current / of instantaneous short-circuit trip unit       150 A         emaximum       1200 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       0.05 s         e initial value       0.8 s         Mechanical Design       0.8 s         Mechanical Design       voltage trigger         product component       voltage trigger         e voltage trigger       No         voltage trigger       No	• minimum	
with 12t characteristic     20 A       • maximum     100 A       adjustable response value delay time (tg) / for G-tripping / with 12t characteristic     0.05 s       • minimum     0.05 s       • maximum     0.8 s       adjustable setting current (InN) / for N-tripping     20 A       • maximum     160 A       adjustable current response value current / of instantaneous short-circuit trip unit     150 A       • maximum     1200 A       design of the N-conductor protection     adjustable OFF; 20% to 160%       product function / grounding protection     Yes       total break time / for G-tripping / with standard characteristic     0.05 s       • full-scale value     0.05 s       • full-scale value     0.8 s       Mechanical Design     No       voltage trigger     No       • voltage trigger     No		0.8 s
• minimum20 A• maximum100 Aadjustable response value delay time (tg) / for G-tripping / with I2t characteristic		
• maximum100 Aadjustable response value delay time (tg) / for G-tripping / with I2t characteristic.• minimum0.05 s• maximum0.8 sadjustable setting current (InN) / for N-tripping.• minimum20 A• maximum160 Aadjustable current response value current / of instantaneous short-circuit trip unit150 A• minimum1200 Adesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionYestotal break time / for G-tripping / with standard characteristic.0.5 s• full-scale value0.05 s• full-scale value0.8 sMechanical Design		20 A
adjustable response value delay time (tg) / for G-tripping / with       0.05 s         e minimum       0.05 s         e maximum       0.8 s         adjustable setting current (InN) / for N-tripping       20 A         e maximum       160 A         adjustable current response value current / of instantaneous short-circuit trip unit       160 A         e maximum       150 A         e maximum       1200 A         e maximum       1200 A         e maximum       0.05 s         off the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       0.05 s         o initial value       0.05 s         o full-scale value       0.8 s         Mechanical Design       No         voltage trigger       No         • trip indicator       No		
12t characteristic       0.05 s         • maximum       0.8 s         adjustable setting current (InN) / for N-tripping       0.8 s         • minimum       20 A         • maximum       160 A         adjustable current response value current / of instantaneous short-circuit trip unit       160 A         • minimum       150 A         • maximum       1200 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       0.05 s         • full-scale value       0.8 s         Mechanical Design          product component          • undervoltage release       No         • voltage trigger       No         • trip indicator       No		
maximum         0.8 s         adjustable setting current (InN) / for N-tripping         oninimum         adjustable setting current response value current / of instantaneous         short-circuit trip unit         oninimum         150 A         adjustable current response value current / of instantaneous         short-circuit trip unit         oninimum         150 A         adjustable OFF; 20% to 160%         product function / grounding protection         yes         total break time / for G-tripping / with standard characteristic         onitial value         one full-scale value         ves         total break time / for G-tripping / with standard characteristic         onitial value         one full-scale value         ves         ves         voltage release         No         voltage trigger         No         voltage trigger         No         No		
adjustable setting current (InN) / for N-tripping       20 A         • minimum       160 A         adjustable current response value current / of instantaneous short-circuit trip unit       150 A         • minimum       150 A         • maximum       1200 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       0.05 s         • full-scale value       0.8 s         Mechanical Design       No         product component       No         • voltage rigger       No         • trip indicator       No	• minimum	0.05 s
• minimum20 A• maximum160 Aadjustable current response value current / of instantaneous short-circuit trip unit150 A• minimum150 A• maximum1 200 Adesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionYestotal break time / for G-tripping / with standard characteristic0.05 s• initial value0.05 s• full-scale value0.8 sMechanical Designrelease• undervoltage releaseNo• voltage triggerNo• trip indicatorNo	• maximum	0.8 s
• minimum20 A• maximum160 Aadjustable current response value current / of instantaneous short-circuit trip unit150 A• minimum150 A• maximum1 200 Adesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionYestotal break time / for G-tripping / with standard characteristic0.05 s• initial value0.05 s• full-scale value0.8 sMechanical Designrelease• undervoltage releaseNo• voltage triggerNo• trip indicatorNo	adjustable setting current (InN) / for N-tripping	
• maximum160 Aadjustable current response value current / of instantaneous short-circuit trip unit1• minimum150 A• maximum1 200 Adesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionYestotal break time / for G-tripping / with standard characteristic0.05 s• full-scale value0.8 sMechanical DesignNo• undervoltage releaseNo• voltage triggerNo• trip indicatorNo		20 A
adjustable current response value current / of instantaneous         short-circuit trip unit         • minimum         • maximum         1200 A         design of the N-conductor protection         adjustable OFF; 20% to 160%         product function / grounding protection         Yes         total break time / for G-tripping / with standard characteristic         • initial value       0.05 s         • full-scale value       0.8 s         Mechanical Design         product component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No	• maximum	160 A
short-circuit trip unit       150 A         • minimum       1200 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       •         • initial value       0.05 s         • full-scale value       0.8 s         Mechanical Design       Voltage release         • voltage trigger       No         • trip indicator       No		
• maximum1 200 Adesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionYestotal break time / for G-tripping / with standard characteristic0.05 s• initial value0.05 s• full-scale value0.8 sMechanical DesignNo• undervoltage releaseNo• voltage triggerNo• trip indicatorNo		
design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       0.05 s         • initial value       0.05 s         • full-scale value       0.8 s         Mechanical Design       voltage release         • voltage trigger       No         • trip indicator       No	• minimum	150 A
product function / grounding protection       Yes         total break time / for G-tripping / with standard characteristic       0.05 s         • initial value       0.05 s         • full-scale value       0.8 s         Mechanical Design       Ves         • undervoltage release       No         • voltage trigger       No         • trip indicator       No	• maximum	1 200 A
total break time / for G-tripping / with standard characteristic     0.05 s       • initial value     0.05 s       • full-scale value     0.8 s         Mechanical Design       product component     •       • undervoltage release     No       • voltage trigger     No       • trip indicator     No	design of the N-conductor protection	adjustable OFF; 20% to 160%
• initial value0.05 s• full-scale value0.8 sMechanical Design	product function / grounding protection	Yes
• full-scale value     0.8 s       Mechanical Design        product component        • undervoltage release     No       • voltage trigger     No       • trip indicator     No	total break time / for G-tripping / with standard characteristic	
Mechanical Design           product component           • undervoltage release         No           • voltage trigger         No           • trip indicator         No	● initial value	0.05 s
product component     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No	full-scale value	0.8 s
• undervoltage release     No       • voltage trigger     No       • trip indicator     No	Mechanical Design	
voltage trigger     No     trip indicator     No	product component	
• trip indicator No	undervoltage release	No
	voltage trigger	No
height [in] 7.8 in	trip indicator	No
	height [in]	7.8 in

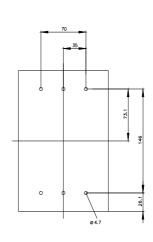
baiaht	400 -			
height width [in]	198 mm 5.51 in			
	140 mm			
width		1		
depth [in]	3.39 in			
depth	86 mm			
Connections			_	
arrangement of electrical connectors / for main current cire		connection		
type of electrical connection / for main current circuit	Without			
Auxiliary circuit	_	_		
number 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				
<ul> <li>during operation / minimum</li> </ul>	-25 °C			
<ul> <li>during operation / maximum</li> </ul>	70 °C			
<ul> <li>during storage / minimum</li> </ul>	-40 °C			
<ul> <li>during storage / maximum</li> </ul>	80 °C			
Certificates				
reference code / according to IEC 81346-2	Q			
certificate of suitability / as approval for NAVAL (no comba vessels) / supplement SB	at Yes			
General Product Approval				
General Product Ap- EMC Decla	ration of Conformi	tv	Marine / Shipping	
proval		.,	marine / onipping	
	CE EG-Konf.	UK CA	ABS	BUREAU VERITAS
Marine / Shipping other				Dangerous Good
	<u>scellaneous</u>	<u>Confirmation</u>	<u>Miscellaneous</u>	Transport Information
Further information				
Siemens has decided to exit the Russian market (see	here).			
https://press.siemens.com/global/en/pressrelease/siemen	<u>s-wind-down-russia</u>	<u>n-business</u>		
Siemens is working on the renewal of the current EAC Please contact your local Siemens office on the status of EAC relevant market (other than the sanctioned EAEU me Information on the packaging	validity of the EAC or ember states Russia		nd to import or offer to sup	ply these products to an
https://support.industry.siemens.com/cs/ww/en/view/1098 Information- and Downloadcenter (Catalogs, Brochurg				
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Service&Support (Manuals, Certificates, Characteristi	cs, FAQs,)			
https://support.industry.siemens.com/cs/ww/en/ps/3VA62 Image database (product images, 2D dimension drawi				
http://www.automation.siemens.com/bilddb/cax_en.aspx?	ngs, 3D models, d	evice circuit diagram	ns,)	

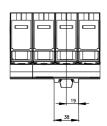
http://www.siemens.com/cax

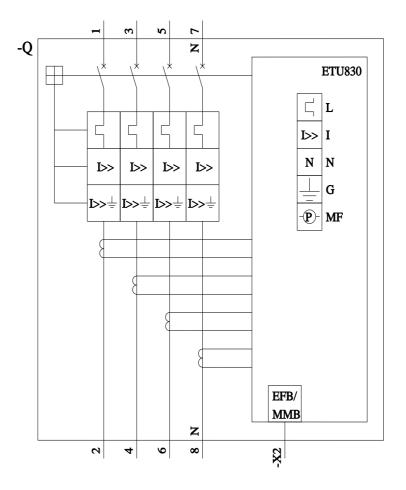
Tender specifications http://www.siemens.com/specifications

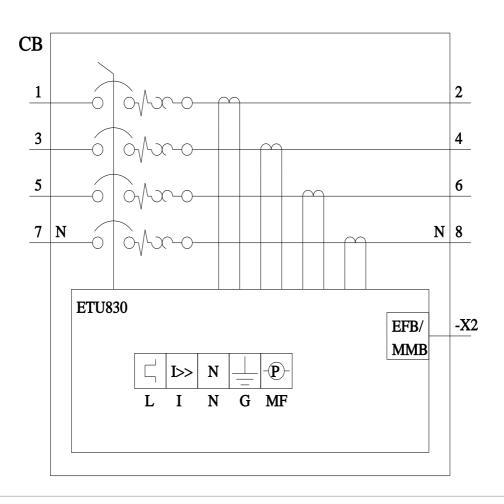












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