# **SIEMENS**

### Data sheet

### 3VA2450-7KQ32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 630 BREAKING CAPACITY CLASS C ICU=110KA @ 415 V 3-POLE, LINE PROTECTION ETU860, LSIG, IN=500A OVERLOAD PROTECTION IR=200A ...500A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..14X IN NEUTRAL PROTECTION OPTIONAL WITH EXT. CT;UPTO 160% GROUND-FAULT, SWITCHABLE IG=0,2... 1 X IN, TG=0,05-0,8MS BUSBAR CONNECTION

Figure similar

Model			
product brand name		SENTRON	
Product designation		Molded case circuit breaker	
Design of the product		Line protection	
Product variations		Selective Applications	
Ground fault monitoring version		Summation current formation L-conductor	
Design of the auxiliary release		without auxiliaryrelease	
Design of the auxiliary switch		Without	
Design of the operating mechanism		toggle handle	
Type of the driving mechanism / motor drive		No	
Design of the overcurrent release		ETU860	
General technical data			
Number of poles		3	
Trip class / of the L-trip / with I2t characteristic / initial value		0.5	
Trip class / of the L-trip / with I2t characteristic / Full- scale value		20	
Electrical endurance (switching cycles)			
• at AC-1 / at 380/415 V / at 50/60 Hz		4 000	
Total disconnection time / for G-tripping / with standard characteristic / initial value	S	0.05	
Total disconnection time / for G-tripping / with standard characteristic / Full-scale value	S	0.8	
circuit-breaker / Design		3VA	
Mechanical service life (switching cycles) / typical		15 000	

Insulation voltage / Rated value     V     800       Protection class     Protection class IP     IP40       Protection class IP / on the front     IP40       Protective function of the overcurrent release     LSIG       Switching capacity     Switching capacity       Switching capacity class of the circuit breaker     C       Dissipation     Adive power loss       • maximum     W       Continuous current / Rated value / maximum     A       630     Continuous current / Rated value       Continuous current / Rated value     A       Operating voltage     •       • with AC / at 50/60 Hz / Rated value     V       650     Operating voltage       • with AC / at 50/60 Hz / Rated value     A       • at 80 °C / Rated value	Voltage		
Protection class IP       IP40         Protection class IP / on the front       IP40         Protective function of the overcurrent release       LSIG         Switching capacity       C         Switching capacity       C         Dissipation       Active power loss <ul> <li>maximum</li> <li>W</li> <li>105</li> </ul> Electricity       Continuous current / Rated value / maximum       A       630         Continuous current / Rated value / maximum       A       500       Adjustable response value current / of the instantaneous short-circuit release / initial value       A       500         Main circuit       Operating outlage       v       690       Operating outlage <ul> <li>with AC / at 50/60 Hz / Rated value</li> <li>A 10° C / Rated value</li> <li>A 40° C / Rated value</li> <li>A 40° C / Rated value</li> <li>A 400</li> <li>A 460</li> <li>at 60° C / Rated value</li> <li>A 460</li> <li>at 60° C / Rated value</li> <li>A 460</li> <li>A 440</li> <li>Auxiliary circuit</li> <li>Number of NC contacts / for auxiliary contacts</li> <li>0</li> <li>Number of NC contacts / for auxiliary contacts</li> <li>0</li> <li>Suitability for use</li> <li>system protection</li> <li>Adjustable response value current</li> <li>for G-tripping / with 12t characteristic / initial value</li> <li>for G-tripping / with 12t characteristic / initial value</li> <li>for G-tripping / with 12t characteristic / in</li></ul>		V	800
Protection class IP       IP40         Protection class IP / on the front       IP40         Protective function of the overcurrent release       LSIG         Switching capacity       C         Switching capacity       C         Dissipation       Active power loss <ul> <li>maximum</li> <li>W</li> <li>105</li> </ul> Electricity       Continuous current / Rated value / maximum       A       630         Continuous current / Rated value / maximum       A       500       Adjustable response value current / of the instantaneous short-circuit release / initial value       A       500         Main circuit       Operating outlage       v       690       Operating outlage <ul> <li>with AC / at 50/60 Hz / Rated value</li> <li>A 10° C / Rated value</li> <li>A 40° C / Rated value</li> <li>A 40° C / Rated value</li> <li>A 400</li> <li>A 460</li> <li>at 60° C / Rated value</li> <li>A 460</li> <li>at 60° C / Rated value</li> <li>A 460</li> <li>A 440</li> <li>Auxiliary circuit</li> <li>Number of NC contacts / for auxiliary contacts</li> <li>0</li> <li>Number of NC contacts / for auxiliary contacts</li> <li>0</li> <li>Suitability for use</li> <li>system protection</li> <li>Adjustable response value current</li> <li>for G-tripping / with 12t characteristic / initial value</li> <li>for G-tripping / with 12t characteristic / initial value</li> <li>for G-tripping / with 12t characteristic / in</li></ul>			
Protection class IP / on the front       IP40         Protective function of the overcurrent release       LSIG         Switching capacity       Switching capacity class of the circuit breaker       C         Dissipation       Adive power loss       W         Active power loss       W       105         Electricity       Continuous current / Rated value / maximum       A         Continuous current / Rated value       A       500         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Operating voltage       v       690       Operating voltage         • with AC / at 50/60 Hz / Rated value       V       690       690         Operating voltage       V       690       600       600         • at 60 °C / Rated value       A       500       440       440         • at 60 °C / Rated value       A       460       440         • at 60 °C / Rated value       A       460       60       60         • at 70 °C / Rated value       A       460       60       60       500         • at 60 °C / Rated value       A       460       60       500       500       500       500       500       500       500			IP40
Protective function of the overcurrent release       LSIG         Switching capacity       Switching capacity         Switching capacity class of the circuit breaker       C         Dissipation       Active power loss            • maximum       W         105       Electricity         Continuous current / Rated value / maximum       A         630       Continuous current / Rated value         Adjustable response value current / of the instantaneous short-circuit release / initial value       A         Operating rollage       v         • with AC / at 50/60 Hz / Rated value       A         Operating current       A         • at 40 °C / Rated value       A         • at 60 °C / Rated value       A         • at 70 °C / Rated value       A			
Switching capacity         Switching capacity class of the drout breaker       C         Dissipation       Active power loss            • maximum       W       105          Electricity       C         Continuous current / Rated value / maximum       A       630         Adjustable response value current / Rated value       A       500         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       500         Main circuit       Operating voltage       vith AC / at 50/60 Hz / Rated value       V       690         Operating current			
Switching capacity class of the circuit breaker     C       Dissipation     C       Active power loss <ul> <li>maximum</li> <li>W</li> <li>105</li> <li>Electricity</li> <li>Continuous current / Rated value / maximum</li> <li>A</li> <li>630</li> <li>Continuous current / Rated value / maximum</li> <li>A</li> <li>630</li> <li>Continuous current / Rated value / maximum</li> <li>A</li> <li>630</li> <li>Continuous current / Rated value / A</li> <li>500</li> <li>AA</li> <li>500</li> <li>AA</li> <li>500</li> <li>AA</li> <li>500</li> <li>A</li> <li>500</li> <li>C (Rated value</li> <li>A</li> <li>500</li> <li>A (S00)</li>       &lt;</ul>			2010
Dissipation         Active power loss       with any maximum       W       105         Electricity       Continuous current / Rated value / maximum       A       630         Continuous current / Rated value / A       500       Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       v       690       690         Operating outge       A       500       600         at 40 °C / Rated value       A       500       600         at 65 °C / Rated value       A       460       400         at 70 °C / Rated value       A       440       75         Number of NC contacts / for auxiliary contacts       0       700         Suitability       Sustem protection </td <td></td> <td></td> <td></td>			
Active power loss     W     105       Electricity     Continuous current / Rated value / maximum     A     630       Continuous current / Rated value     A     500       Adjustable response value current / of the instantaneous short-circuit release / initial value     A     1.5       Main circuit     Operating voltage     U     690       Operating voltage     • with AC / at 50/60 Hz / Rated value     V     690       Operating current     at 40 °C / Rated value     A     500       • at 60 °C / Rated value     A     500       • at 60 °C / Rated value     A     460       • at 65 °C / Rated value     A     440       Auxiliary circuit     Number of NC contacts / for auxiliary contacts     0       Number of NC contacts / for auxiliary contacts     0       Number of NC contacts / for auxiliary contacts     0       Suitability     Suitability for use       Suitability for use     system protection       Adjustable peraponse value current     • for G-tripping / with 12t characteristic / initial value       • for G-tripping / with 12t characteristic / Full-scale value     A     1       • for G-tripping / with 12t characteristic / Full-scale value     A     1	Switching capacity class of the circuit breaker		C
• maximum       W       105         Electricity       Continuous current / Rated value / maximum       A       630         Continuous current / Rated value       A       500         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       A       500         Operating voltage       •       Wth AC / at 50/60 Hz / Rated value       V       690         Operating current       -       -       -       -       -       -       -       -       -         • at 40 °C / Rated value       A       500       - <td>Dissipation</td> <td></td> <td></td>	Dissipation		
Electricity         Continuous current / Rated value / maximum       A       630         Continuous current / Rated value       A       500         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       V       690         Operating outrent       -       -         • at 40 °C / Rated value       A       500         • at 40 °C / Rated value       A       500         • at 60 °C / Rated value       A       500         • at 60 °C / Rated value       A       460         • at 60 °C / Rated value       A       440         Auxiliary circuit       Number of NC contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       0       0         Number of NC contacts / for auxiliary contacts       0       0         Suitability       Suitability for use       system protection         Adjustable response value current       • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1       value         • for G-tripping / with standard characteristic / initial value       A       0.2	Active power loss		
Continuous current / Rated value / maximum       A       630         Continuous current / Rated value       A       500         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       A       690         Operating voltage       •       •       690         • with AC / at 50/60 Hz / Rated value       V       690         Operating current       •       at 40 °C / Rated value       A       500         • at 40 °C / Rated value       A       500       •       at 60 °C / Rated value       A       400         • at 60 °C / Rated value       A       400       •       440       440       •       440       •       440       •	• maximum	W	105
Continuous current / Rated value / maximum       A       630         Continuous current / Rated value       A       500         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       A       690         Operating voltage       •       •       690         • with AC / at 50/60 Hz / Rated value       V       690         Operating current       •       at 40 °C / Rated value       A       500         • at 40 °C / Rated value       A       500       •       at 60 °C / Rated value       A       400         • at 60 °C / Rated value       A       400       •       440       440       •       440       •       440       •			
Continuous current / Rated value       A       500         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       •       •         • with AC / at 50/60 Hz / Rated value       V       690         Operating current       •       690         • at 40 °C / Rated value       A       500         • at 60 °C / Rated value       A       500         • at 60 °C / Rated value       A       460         • at 60 °C / Rated value       A       440         • at 65 °C / Rated value       A       440         • at 65 °C / Rated value       A       440         • at 70 °C / Rated value       A       440         • at 70 °C / Rated value       A       400         • at 70 °C / Rated value       A       440         Auxiliary circuit       V       0         Number of NC contacts / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable response value current       • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1		A	630
Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       vith AC / at 50/60 Hz / Rated value       V       690         Operating current       at 40 °C / Rated value       V       690         operating current       at 40 °C / Rated value       A       500         e at 40 °C / Rated value       A       500         e at 60 °C / Rated value       A       475         e at 60 °C / Rated value       A       440         Auxiliary circuit       Number of NC contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       0       0         Suitability for use       system protection       A         Adjustable parameters       A       0.2         Adjustable response value current       A       0.2         e for G-tripping / with 12t characteristic / initial value       A       1         of or G-tripping / with 12t characteristic / Full-scale value       A       1         of or G-tripping / with 12t characteristic / Full-scale value       A       1         of or G-tripping / with 12t characteristic / Full-scale value       A       1         of or G-tripping / with 12t characteristic / Full-scale value       A			
Instantaneous short-circuit release / initial value          Main circuit         Operating voltage <ul> <li>with AC / at 50/60 Hz / Rated value</li> <li>V</li> <li>690</li> </ul> Operating current <ul> <li>at 40 °C / Rated value</li> <li>A</li> <li>500</li> <li>at 50 °C / Rated value</li> <li>A</li> <li>500</li> <li>at 60 °C / Rated value</li> <li>A</li> <li>460</li> <li>at 65 °C / Rated value</li> <li>A</li> <li>460</li> <li>at 70 °C / Rated value</li> <li>A</li> </ul> Auxiliary circuit           Number of NC contacts / for auxiliary contacts         0           Number of NO contacts / for auxiliary contacts         0           Suitability         for use         system protection           Adjustable parameters         A               Adjustable response value current <li>for G-tripping / with 12t characteristic / initial value</li> <li>for G-tripping / with 12t characteristic / Full-scale value</li> <li>for G-tripping / with 12t characteristic / Full-scale value</li> <li>for G-tripping / with 12t characteristic / Full-scale A</li> <li>for G-tripping / with standard characteristic /</li> <li>A</li> <li>O.2</li> <li>initial value</li>			
Operating voltage       v       690         Operating current       at 40 °C / Rated value       A       500         • at 40 °C / Rated value       A       500         • at 50 °C / Rated value       A       500         • at 60 °C / Rated value       A       400         • at 60 °C / Rated value       A       475         • at 60 °C / Rated value       A       460         • at 70 °C / Rated value       A       440         Auxiliary circuit       Number of NC contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       0         Suitability       Suitability         Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / A       0.2			
Operating voltage       v       690         Operating current       at 40 °C / Rated value       A       500         • at 40 °C / Rated value       A       500         • at 50 °C / Rated value       A       500         • at 60 °C / Rated value       A       400         • at 60 °C / Rated value       A       475         • at 60 °C / Rated value       A       460         • at 70 °C / Rated value       A       440         Auxiliary circuit       Number of NC contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       0         Suitability       Suitability         Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / A       0.2			
• with AC / at 50/60 Hz / Rated value       V       690         Operating current       -       -         • at 40 °C / Rated value       A       500         • at 50 °C / Rated value       A       500         • at 60 °C / Rated value       A       475         • at 65 °C / Rated value       A       460         • at 65 °C / Rated value       A       440         Auxiliary circuit       A       440         Auxiliary circuit       0       0         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       system protection         Adjustable response value current       • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / A       0.2       0			
Operating current       A       500         • at 40 °C / Rated value       A       500         • at 50 °C / Rated value       A       500         • at 60 °C / Rated value       A       475         • at 65 °C / Rated value       A       460         • at 65 °C / Rated value       A       440         Auxiliary circuit       A       440         Auxiliary circuit       0       0         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       Suitability for use         Suitability or use       system protection         Adjustable parameters       0.2         of or G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with standard characteristic / A       1       0.2         • initial value       A       0.2       0		V	690
at 40 °C / Rated valueA500• at 50 °C / Rated valueA500• at 60 °C / Rated valueA475• at 65 °C / Rated valueA460• at 70 °C / Rated valueA440Auxiliary circuitNumber of NC contacts / for auxiliary contacts0Number of NO contacts / for auxiliary contacts0Suitabilitysystem protectionSuitabilitysystem protectionAdjustable parameters4Adjustable response value current • for G-tripping / with 12t characteristic / initial valueA0.2• for G-tripping / with 12t characteristic / Full-scale valueA1• for G-tripping / with standard characteristic / initial valueA0.2			
• at 50 °C / Rated valueA500• at 60 °C / Rated valueA475• at 65 °C / Rated valueA460• at 70 °C / Rated valueA440Auxiliary circuitNumber of NC contacts / for auxiliary contacts0Number of NO contacts / for auxiliary contacts0Suitabilitysystem protectionAdjustable parameters0Adjustable response value currentA0.2• for G-tripping / with 12t characteristic / initial valueA1• for G-tripping / with standard characteristic / initial valueA0.2		А	500
• at 60 °C / Rated value       A       475         • at 65 °C / Rated value       A       460         • at 70 °C / Rated value       A       440         Auxiliary circuit       A       440         Auxiliary circuit       0       0         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       0         Suitability       system protection         Adjustable parameters       system protection         Adjustable response value current       A       0.2         • for G-tripping / with 12t characteristic / initial value       A       1         • for G-tripping / with 12t characteristic / Full-scale value       A       0.2		А	500
• at 65 °C / Rated value       A       460         • at 70 °C / Rated value       A       440         • at 70 °C / Rated value       A       440         Auxiliary circuit       A       440         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       0         Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale       A       1         • for G-tripping / with standard characteristic / Full-scale       A       0.2         • for G-tripping / with standard characteristic / A       0.2       0		А	475
• at 70 °C / Rated value         A         440           Auxiliary circuit         A         440           Number of NC contacts / for auxiliary contacts         0           Number of NO contacts / for auxiliary contacts         0           Suitability         0           Suitability         system protection           Adjustable parameters         system protection           Adjustable response value current         • for G-tripping / with 12t characteristic / initial value           • for G-tripping / with 12t characteristic / Full-scale value         A           • for G-tripping / with standard characteristic / A         0.2			
Auxiliary circuit     0       Number of NC contacts / for auxiliary contacts     0       Number of NO contacts / for auxiliary contacts     0       Suitability     0       Suitability     system protection       Adjustable parameters     system protection       Adjustable response value current     0       • for G-tripping / with 12t characteristic / initial value     A     0.2       • for G-tripping / with 12t characteristic / Full-scale value     A     1       • for G-tripping / with standard characteristic / A     0.2			
Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       0         Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • for G-tripping / with 12t characteristic / initial value       A         0.2       0.2			
Number of NO contacts / for auxiliary contacts       0         Suitability       system protection         Suitability for use       system protection         Adjustable parameters       0         Adjustable response value current       0         • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / Full-scale value       A       0.2			
Suitability     system protection       Adjustable parameters     system protection       Adjustable response value current     0.2       • for G-tripping / with 12t characteristic / initial value     A     0.2       • for G-tripping / with 12t characteristic / Full-scale     A     1       • for G-tripping / with standard characteristic / Full-scale     A     0.2	-		
Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • for G-tripping / with l2t characteristic / initial value       A       0.2         • for G-tripping / with l2t characteristic / Full-scale value       A       1         • for G-tripping / with l2t characteristic / Full-scale value       A       0.2         • for G-tripping / with standard characteristic / Full-scale value       A       0.2	Number of NO contacts / for auxiliary contacts		U
Adjustable parameters         Adjustable response value current       A         • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with 12t characteristic / Full-scale value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       0.2         • for G-tripping / with standard characteristic / Full-scale value       A       0.2	Suitability		
Adjustable response value current       A       0.2         • for G-tripping / with 12t characteristic / initial value       A       0.2         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with 12t characteristic / Full-scale value       A       0.2         • for G-tripping / with standard characteristic / Full-scale value       A       0.2	Suitability for use		system protection
Adjustable response value current       A       0.2         • for G-tripping / with l2t characteristic / initial value       A       0.2         • for G-tripping / with l2t characteristic / Full-scale value       A       1         • for G-tripping / with l2t characteristic / Full-scale value       A       0.2         • for G-tripping / with standard characteristic / Full-scale value       A       0.2	Adjustable parameters		
value <ul> <li>for G-tripping / with I2t characteristic / Full-scale A</li> <li>for G-tripping / with standard characteristic / A</li> <li>for G-tripping / with standard characteristic / A</li> </ul>			
value • for G-tripping / with standard characteristic / A 0.2 initial value		А	0.2
• for G-tripping / with standard characteristic / A 0.2 initial value		A	1
	• for G-tripping / with standard characteristic /	A	0.2
for G-tripping / with standard characteristic / A 1 Full-scale value		А	1

<ul> <li>of I-trip / Full-scale value</li> </ul>	A	13
<ul> <li>of the short-time delayed short-circuit release / initial value</li> </ul>	A	0.6
<ul> <li>of the short-time delayed short-circuit release / Full-scale value</li> </ul>	A	10
<ul> <li>of S-trip / with standard characteristic / initial value</li> </ul>	A	0.6
<ul> <li>of S-trip / with standard characteristic / Full- scale value</li> </ul>	A	10
<ul> <li>for N-conductor protection / initial value</li> </ul>	А	0.2
<ul> <li>for N-conductor protection / Full-scale value</li> </ul>	А	2
Adjustable delay time		
<ul> <li>for G-tripping / with I2t characteristic / initial value</li> </ul>	S	0.05
<ul> <li>for G-tripping / with I2t characteristic / Full-scale value</li> </ul>	S	0.8
<ul> <li>of S-trip / with I2t characteristic / initial value</li> </ul>	S	0.05
<ul> <li>of S-trip / with I2t characteristic / Full-scale value</li> </ul>	S	0.5
<ul> <li>of S-trip / with standard characteristic / initial value</li> </ul>	S	0.05
<ul> <li>of S-trip / with standard characteristic / Full- scale value</li> </ul>	S	0.5
Adjustable response value current / of the current- dependent overload release / initial value	A	0.4
Product details		
Product component		
• Trip indicator		No
• display		Yes
undervoltage release		No
Product property		
<ul> <li>of the circuit breaker with tripping unit / Tripping characteristic adjustable</li> </ul>		No
<ul> <li>for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof</li> </ul>		Yes
Product expansion / optional / motor drive		Yes
Product function		
Product function		
Intrinsic device protection		Yes
<ul> <li>communication function</li> </ul>		Yes
<ul> <li>Phase failure detection</li> </ul>		No

Accessories		
Manufacturer article number / of the supplied basic switch		<u>3VA2450-7KQ32-0AA0</u>
Switch		
Short circuit		
Operational short-circuit current breaking capacity		
(Ics)		450
• at 240 V / Rated value	kA	150
• at 415 V / Rated value	kA	110
at 690 V / Rated value	kA	6
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	150
• at 415 V / Rated value	kA	110
• at 690 V / Rated value	kA	6
Short-circuit current making capacity (Icm)		
• at 240 V / Rated value	kA	330
• at 415 V / Rated value	kA	242
• at 690 V / Rated value	kA	9
Connections		
Arrangement of electrical connectors / for main		Front terminal
current circuit	_	
Type of connectable conductor cross-section		
<ul> <li>for flat-bar terminal connection / minimum</li> </ul>		20 x 1
<ul> <li>for flat-bar terminal connection / maximum</li> </ul>		35 x 10
Type of electrical connection / for main current circuit		Lug terminal
lechanical Design		
Height	mm	248
Width	mm	138
Depth	mm	137
Mounting type		fixed mounting
invironmental conditions		
Ambient temperature	*0	25
during operation / minimum	°C	-25
during operation / maximum	°C	70
<ul> <li>during storage / minimum</li> </ul>	°C	-40
<ul> <li>during storage / maximum</li> </ul>	°C	80
Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		Q
<ul> <li>acc. to DIN EN 81346-2</li> </ul>		Q

General Produ	uct Approval	EMC	Declaration of Conformity	other
	EHC	other	EG-Konf.	other

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/3VA24507KQ320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA24507KQ320AA0/all

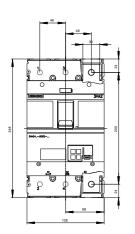
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA24507KQ320AA0

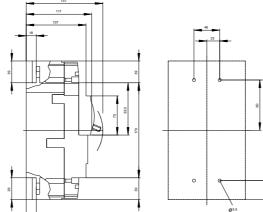
## **CAx-Online-Generator**

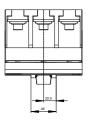
http://www.siemens.com/cax

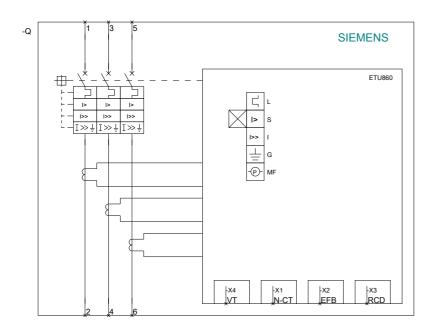
### **Tender specifications**

http://ausschreibungstexte.siemens.com/tiplv









last modified:

11.03.2015