## **SIEMENS**

## Data sheet

## 3VA2025-6KQ32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS H ICU=85KA @ 415 V 3POLE, LINE PROTECTION ETU860, LSIG, IN=25A OVERLOAD PROTECTION IR=10A ...25A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..12X IN NEUTRAL PROTECTION OPTIONAL WITH EXT. CT,UPTO 160% GROUNDFAULT, SWITCHABLE IG=0,2... 1 X IN, TG=0,050,8MS BUSBAR CONNECTION

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		25
Electrical endurance (switching cycles)		
• at AC-1 / at 380/415 V / at 50/60 Hz		12 000
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		20 000

Insulation voltage / Rated value     V     800       Protection class IP     IP40       Protection class IP / on the front     IP40       Switching capacity     Edited Switching capacity       Switching capacity     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Voltage		
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       H         Dissipation       Active power loss         • maximum       W       0.84         Electricity       Continuous current / Rated value / maximum       A       100         Continuous current / Rated value       A       25         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Operating voltage       • with AC / at 50/60 Hz / Rated value       V       690         Operating voltage       • with AC / at 50/60 Hz / Rated value       V       690         Operating voltage       a 40 °C / Rated value       A 25       at 60 °C / Rated value       A 25         • at 60 °C / Rated value       A 25       A 25       at 60 °C / Rated value       A 25         • at 70 °C / Rated value       A 25       A 25       Auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       0       0       Number of NC contacts / for auxiliary contacts       0         Suitability       Suitability for use </td <td></td> <td>V</td> <td>800</td>		V	800
Protection class IP       IP40         Protection class IP / on the front       IP40         Protective function of the overcurrent release       LSIG         Switching capacity       Switching capacity         Switching capacity       H         Dissipation       Active power loss         • maximum       W         Obstractivy       0.84         Electricity       Continuous current / Rated value / maximum         Continuous current / Rated value       A         Continuous current / Rated value       A         Continuous short-circuit release / initial value       1.5         Main circuit       Operating voltage         • with AC / at 50%0 Hz / Rated value       V         Operating voltage       e         • at 60 °C / Rated value       A         • at 70 °C / Rated value       B         • at 70 °C / Rate	Desta diana daga	_	
Protection class IP / on the front       IP40         Protective function of the overcurrent release       LSIG         Switching capacity       Switching capacity class of the dirouit breaker       H         Dissipation       Active power loss       H         Continuous current / Rated value / maximum       N       0.84         Electricity       Continuous current / Rated value / maximum       A       100         Continuous current / Rated value / maximum       A       1.5         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       V       690         • with AC / at 50/60 Hz / Rated value       V       690         Operating current       A       25         • at 40 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         •		_	IP40
Protective function of the overcurrent release     LSIG       Switching capacity     H       Dissipation     Active power loss       • maximum     W       0.84       Electricity       Continuous current / Rated value / maximum     A       100       Continuous current / Rated value / maximum     A       0.84       Electricity       Continuous current / Rated value / maximum     A       1.5       Adjustable response value current / of the instantaneous short-circuit release / initial value       Main circuit       Operating voltage       • with AC / at 50/60 Hz / Rated value       V       690       Operating voltage       • with AC / at 50/60 Hz / Rated value       A       1.5       • at 40 °C / Rated value       A       • at 50 °C / Rated value       • at 50 °C / Rated value       • at 65 °C / Rated value       • at 65 °C / Rated value       • at 70 °C / Rated value <t< td=""><td></td><td></td><td></td></t<>			
Switching capacity       Switching capacity class of the drout breaker     H       Dissipation     Adive power loss       • maximum     W     0.84       Electricity     Continuous current / Rated value / maximum     A     100       Continuous current / Rated value / maximum     A     25       Adjustable response value current / of the instantaneous short-circuit release / initial value     A     25       Main circuit     Operating outent     A     25       Operating outent     -     690     0       Operating outent     -     40 °C / Rated value     V     690       Operating outent     -     25     -     -       • at 40 °C / Rated value     A     25     -     -       • at 60 °C / Rated value     A     25     -     -       • at 60 °C / Rated value     A     25     -     -       • at 60 °C / Rated value     A     25     -     -       • at 60 °C / Rated value     A     25     -     -       • at 60 °C / Rated value     A     25     -     -       • at 70 °C / Rated value     A     25     -     -       • at 60 °C / Rated value     -     0     -     -       • at 70 °C / Gatted value			
Switching capacity class of the circuit breaker     H       Dissipation       Active power loss     U       • maximum     W     0.84       Electricity     Continuous current / Rated value / maximum     A     100       Continuous current / Rated value     A     25       Adjustable response value current / of the instantaneous short-circuit release / initial value     A     1.5       Main circuit     Operating voltage     v     690       Operating voltage     v     690       • with AC / at 50/60 Hz / Rated value     V     690       Operating voltage     v     690       • with AC / at 50/60 Hz / Rated value     V     690       Operating voltage     v     690       • with AC / at 50/60 Hz / Rated value     A     25       • at 40 °C / Rated value     A     25       • at 60 °C / Rated value     A     25       • at 60 °C / Rated value     A     25       • at 60 °C / Rated value     A     25       • at 60 °C / Rated value     A     25       • at 70 °C / Rated value     A     25       • at 70 °C / Rated value     A     0       • Suitability     Suitability contacts     0       Value     system protection       Adjustable parame			2010
Dissipation         Active power loss       waximum       W       0.84         Electricity         Continuous current / Rated value       A       100         Continuous current / Rated value       A       25         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       v       690         Operating voltage       vith AC / at 50/60 Hz / Rated value       V       690         Operating current            • at 40 °C / Rated value       A       25          • at 50 °C / Rated value       A       25          • at 60 °C / Rated value       A       25          • at 60 °C / Rated value       A       25          • at 60 °C / Rated value       A       25          • at 60 °C / Rated value       A       25          • at 60 °C / Rated value       A       25          • at 70 °C / Rated value       A       25          • at 70 °C / Rated value       A       25          • Suitability         Suitability			
Active power loss       W       0.84         Electricity       Continuous current / Rated value / maximum       A       100         Continuous current / Rated value       A       25         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       V       690         Operating current       a       25         • with AC / at 50/60 Hz / Rated value       V       690         Operating current       a       25         • at 40 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Suitability       Suitability       Suitability         Suitability       Suitability       Suitability         Suitability       A       0.6         • for G-tripping / with 12t characteristic / Initial value       A       1         • for G-tripping / with standard characteristic / A <td>Switching capacity class of the circuit breaker</td> <td></td> <td>Н</td>	Switching capacity class of the circuit breaker		Н
• maximum       W       0.84         Electricity       Continuous current / Rated value / maximum       A       100         Continuous current / Rated value       A       25         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Mein circuit       A       25         Operating voltage       •       690         • with AC / at 50/60 Hz / Rated value       V       690         Operating current       -       25         • at 40 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       -       0         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       -       -         Suitability for use       system protection         Adjustable response value current       -	Dissipation		
Electricity       A       100         Continuous current / Rated value       A       25         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       V       690         Operating current       at 40 °C / Rated value       V       690         Operating current       at 40 °C / Rated value       A       25         • at 40 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 67 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Suitability       Sustability       Sustability         Suitability       Sustability       Sustability         • for G-tripping / with 12t characteristic / Initial value       A       1         • for G-tripping / with standard characteristic / Initial value       A       1	Active power loss		
Continuous current / Rated value / maximum       A       100         Continuous current / Rated value       A       25         Adjustable response value current / of the       A       1.5         Instantaneous short-circuit release / initial value       A       1.5         Main circuit        0         Operating voltage        690         • with AC / at 50/60 Hz / Rated value       V       690         Operating current        25         • at 40 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit        0         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       Suitability       Suitability for use         • for G-tripping / with 12t characteristic / initial value       A       0.6         • for G-tripping / with 12t	• maximum	W	0.84
Continuous current / Rated value / maximum       A       100         Continuous current / Rated value       A       25         Adjustable response value current / of the       A       1.5         Instantaneous short-circuit release / initial value       A       1.5         Main circuit        0         Operating voltage        690         • with AC / at 50/60 Hz / Rated value       V       690         Operating current        25         • at 40 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit        0         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       Suitability       Suitability for use         • for G-tripping / with 12t characteristic / initial value       A       0.6         • for G-tripping / with 12t	Electricity	_	
Continuous current / Rated value       A       25         Adjustable response value current / of the instantaneous short-circuit release / initial value       A       1.5         Main circuit       Operating voltage       4       1.5         • with AC / at 50/60 Hz / Rated value       V       690         Operating current       4       25         • at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       Number of NC contacts / for auxillary contacts       0         Number of NO contacts / for auxillary contacts       0       0         Suitability       Suitability       system protection         Adjustable parameters       Adjustable response value current       A         • for G-tripping / with 12t characteristic / initial value       A       1         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic		A	100
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 ourrent       -       -         • at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       V       0         Number of NC contacts / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable parameters       A       0.6         value       • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / A       0.6			
Instantaneous short-circuit release / initial value          Main circuit         Operating voltage       v       690         Operating current       v       690         • at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • Do Contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable parameters       A       0.6         value       • for G-tripping / with 12t characteristic / initial value       0.6         • for G-tripping / with standard characteristic /       A       1         • for G-tripping / with standard characteristic /       A       1         • for G-tripping / with standard char			
Operating voltage       V       690         Operating current       A       25         • at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       A       25         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       Suitability         Suitability for use       system protection         Adjustable parameters       A         Adjustable response value current       A       0.6         • for G-tripping / with 12t characteristic / initial value       A       1         • for G-tripping / with standard characteristic / A       0.6       1         • for G-tripping / with standard characteristic / A       0.6       1			
Operating voltage       V       690         Operating current       A       25         • at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       A       25         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       Suitability         Suitability for use       system protection         Adjustable parameters       A         Adjustable response value current       A       0.6         • for G-tripping / with 12t characteristic / initial value       A       1         • for G-tripping / with standard characteristic / A       0.6       1         • for G-tripping / with standard characteristic / A       0.6       1			
• with AC / at 50/60 Hz / Rated value       V       690         Operating current       -       -         • at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • Atjustable resonates / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable parameters       A       0.6         • for G-tripping / with 12t characteristic / initial value       A       0.6         • for G-tripping / with standard characteristic / A       0.6       0.6         • initial value       • for G-tr			
Operating current       A       25         • at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0       0         Suitability       Suitability       system protection         Adjustable parameters       Adjustable response 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 standard characteristic / A       0.6       0.6       1         • for G-tripping / with standard characteristic / A       1       1		V	600
• at 40 °C / Rated value       A       25         • at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       A       25         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable parameters       A       0.6         • for G-tripping / with 12t characteristic / initial value       A       1         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / A       0.6       1		V	090
• at 50 °C / Rated value       A       25         • at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       A       25         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 parameters         Adjustable response value current       A       0.6         • for G-tripping / with 12t characteristic / initial value       A       1         • for G-tripping / with standard characteristic / Full-scale value       A       1			05
• at 60 °C / Rated value       A       25         • at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       A       25         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       0.6         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / A       1       1			
• at 65 °C / Rated value       A       25         • at 70 °C / Rated value       A       25         Auxiliary circuit       A       25         Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Suitability       0         Suitability       5         Adjustable parameters       4         Adjustable response value current       0.6         • for G-tripping / with 12t characteristic / initial value       A         • for G-tripping / with standard characteristic / A       0.6         • for G-tripping / with standard characteristic / A       1			
• at 70 °C / Rated value       A       25         Auxiliary circuit       0         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         • for G-tripping / with 12t characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / A       0.6         • for G-tripping / with standard characteristic / A       1	• at 60 °C / Rated value	A	
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       Adjustable response value current         • for G-tripping / with l2t characteristic / initial value       A       0.6         • for G-tripping / with l2t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / A       0.6       0.6         • for G-tripping / with standard characteristic / A       1       1	• at 65 °C / Rated value	A	25
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         • for G-tripping / with 12t characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / A       0.6	• at 70 °C / Rated value	А	25
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 l2t characteristic / initial value       A         • for G-tripping / with l2t characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / A       0.6	Auxiliary circuit		
Suitability       System protection         Adjustable parameters       system protection         Adjustable response value current       0.6         of or G-tripping / with 12t characteristic / initial value       A       0.6         of or G-tripping / with 12t characteristic / Full-scale       A       1         of or G-tripping / with standard characteristic / Full-scale       A       0.6         of or G-tripping / with standard characteristic / Full-scale       A       0.6         of or G-tripping / with standard characteristic / Full-scale       A       1         of or G-tripping / with standard characteristic / A       0.6       1			0
Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • for G-tripping / with l2t characteristic / initial value       A         • for G-tripping / with l2t characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / A       0.6         • for G-tripping / with standard characteristic / A       0.6	Number of NO contacts / for auxiliary contacts		0
Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • for G-tripping / with l2t characteristic / initial value       A         • for G-tripping / with l2t characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / Full-scale value       A         • for G-tripping / with standard characteristic / A       0.6         • for G-tripping / with standard characteristic / A       0.6	Suitability		
Adjustable parameters         Adjustable response value current       A         • for G-tripping / with 12t characteristic / initial value       A       0.6         • for G-tripping / with 12t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / Full-scale value       A       0.6         • for G-tripping / with standard characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / initial value       A       0.6         • for G-tripping / with standard characteristic / initial value       A       1			system protection
Adjustable response value current       A       0.6         • for G-tripping / with l2t characteristic / initial value       A       0.6         • for G-tripping / with l2t characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / Full-scale value       A       0.6         • for G-tripping / with standard characteristic / Full-scale value       A       1         • for G-tripping / with standard characteristic / initial value       A       0.6         • for G-tripping / with standard characteristic / initial value       A       1	- -		, , , , , , , , , , , , , , , , , , , ,
<ul> <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 standard characteristic / A</li> </ul>			
value       A       1         • for G-tripping / with 12t characteristic / Full-scale value       A       0.6         • for G-tripping / with standard characteristic / initial value       A       0.6         • for G-tripping / with standard characteristic / initial value       A       1	•		
<ul> <li>value</li> <li>for G-tripping / with standard characteristic / initial value</li> <li>for G-tripping / with standard characteristic / A 1</li> </ul>		A	0.6
<ul> <li>initial value</li> <li>for G-tripping / with standard characteristic / A 1</li> </ul>		A	1
		A	0.6
Full-scale value	<ul> <li>for G-tripping / with standard characteristic / Full-scale value</li> </ul>	A	1

<ul> <li>of I-trip / Full-scale value</li> </ul>	А	12
<ul> <li>of the short-time delayed short-circuit release / initial value</li> </ul>	А	0.6
<ul> <li>of the short-time delayed short-circuit release / Full-scale value</li> </ul>	А	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>	А	10
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
• of S-trip / with I2t characteristic / initial value	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
<ul> <li>undervoltage release</li> </ul>		No
Product property	-	
<ul> <li>of the circuit breaker with tripping unit / Tripping characteristic adjustable</li> </ul>		Yes
<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		
<ul> <li>Intrinsic device protection</li> </ul>		Yes
<ul> <li>communication function</li> </ul>		Yes
<ul> <li>Phase failure detection</li> </ul>		No
<ul> <li>other measurement function</li> </ul>		Yes

Accessories

Manufacturer article number / of the supplied basic switch

Short circuit				
Operational short-circuit current breaking capacity				
(lcs)				
• at 240 V / Rated value	kA	110		
• at 415 V / Rated value	kA	85		
• at 440 V / Rated value	kA	85		
• at 500 V / Rated value	kA	55		
• at 690 V / Rated value	kA	2		
Maximum short-circuit current breaking capacity (Icu)	Maximum short-circuit current breaking capacity (Icu)			
• at 240 V / Rated value	kA	110		
• at 415 V / Rated value	kA	85		
• at 440 V / Rated value	kA	85		
• at 500 V / Rated value	kA	55		
• at 690 V / Rated value	kA	2		
Short-circuit current making capacity (Icm)				
• at 240 V / Rated value	kA	242		
• at 415 V / Rated value	kA	187		
• at 440 V / Rated value	kA	187		
• at 500 V / Rated value	kA	121		
• at 690 V / Rated value	kA	3		

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>	13 x 1 mm
<ul> <li>for flat-bar terminal connection / maximum</li> </ul>	25 x 8.5
Type of electrical connection / for main current circuit	Lug terminal

Mechanical Design		
Height	mm	181
Width	mm	105
Depth	mm	107
Mounting type		fixed mounting

Environmental conditions			
Ambient temperature			
<ul> <li>during operation / minimum</li> </ul>	°C	-25	
<ul> <li>during operation / maximum</li> </ul>	°C	70	
<ul> <li>during storage / minimum</li> </ul>	°C	-40	
<ul> <li>during storage / maximum</li> </ul>	°C	80	

Certificates						
Equipment mark	ing					
<ul> <li>acc. to DIN</li> </ul>	I EN 61346-2			Q		
● acc. to DIN	I EN 81346-2			Q		
General Proc	duct Approval		EM	С	Declaration of	Shipping
					Conformity	Approval
	VDE	EAC		other	EG-Konf.	ĴÅ DNV DNV

Shipping	other
Approval	
	other
GL	

GL

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

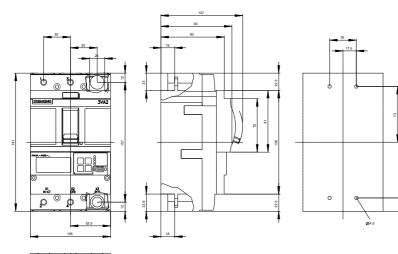
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA20256KQ320AA0

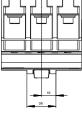
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA20256KQ320AA0/all

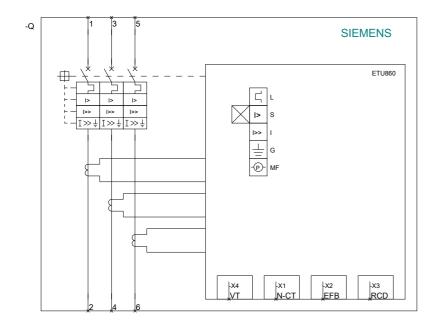
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA20256KQ320AA0

CAx-Online-Generator http://www.siemens.com/cax

Tender specifications http://ausschreibungstexte.siemens.com/tiplv







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