SIEMENS

Data sheet

3VA6340-7JQ32-0AA0



circuit breaker 3VA6 UL frame 400 breaking capacity class C 100kA @ 480 V 3pole, line protection ETU560, LSIG, In=400A overload protection Ir=160A ...400A short-circuit protection Isd=0.6..10x In, Ii=1.5..10x In N conductor protection opt. w. ext. CT; up to 160% ground-fault protection Ig=0.2... 1 x In, tg=0.05-0.8s nut keeper kit on both sides

Model			
product brand name	SENTRON		
product designation	Molded-case circuit breaker		
product designation / according to UL file	CJAE		
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	ETU560		
protection function of the overcurrent release	LSIG		
number of poles	3		
General technical data			
insulation voltage / rated value	800 V		
operating voltage / at AC / rated value	690 V		
power loss [W] / maximum	70 W		
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	23.33 W		
mechanical service life (operating cycles) / typical	20 000		
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000		
electrical endurance (operating cycles) / at AC-1 / at 690 V	4 200		
electrical endurance (operating cycles) / at 480 V	6 000		
electrical endurance (operating cycles) / at 600 V	4 200		
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	Yes		
ground-fault monitoring version	Summation current formation L-conductor		
product function			
communication function	Yes		
 other measurement function 	No		
Net Weight	5.596 kg		
Current			
marking / according to UL 489 / 100%-rated breaker	No		
operational current			
• at 40 °C	400 A		
● at 45 °C	400 A		
● at 50 °C	400 A		
● at 55 °C	375 A		
● at 60 °C	350 A		
● at 65 °C	325 A		
• at 70 °C	300 A		

Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	С
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	150 kA
• at 415 V	110 kA
• at 690 V	5 kA
operating short-circuit current breaking capacity (lcs)	
• at 240 V	150 kA
• at 415 V	110 kA
• at 690 V	5 kA
short-circuit current making capacity (Icm)	
• at 240 V	330 kA
● at 415 V	242 kA
• at 690 V	7.5 kA
Switching capacity according to UL 489	
current breaking capacity	
• at 240 V	200 kA
• at 480 V	100 kA
• at 600 V	35 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	150 A
• maximum	400 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
maximum	17 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic	
• minimum	240 A
• maximum	4 000 A
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
• minimum	240 A
• maximum	4 000 A
adjustable response value delay time (tsd) / for S-tripping / with I0t characteristic	
• minimum	0.05 s
• maximum	0.5 s
adjustable response value delay time (tsd) / for S-tripping / with I2t characteristic	
• minimum	0.05 s
• maximum	0.5 s
adjustable response value setting current (li) / for I-tripping	
• minimum	600 A
• maximum	4 000 A
adjustable current response value current / for G-tripping / with standard characteristic	
● initial value	80 A
● full-scale value	400 A
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic	
• minimum	0.05 s
maximum	0.8 s
adjustable response value setting current (Ig) / for G-tripping / with I2t characteristic	
• minimum	80 A
• maximum	400 A
adjustable response value delay time (tg) / for G-tripping / with I2t characteristic	
• minimum	0.05 s
• maximum	0.8 s
adjustable setting current (InN) / for N-tripping	

	0.0	٨		
• minimum	0.2			
maximum adjustable delay time / of S trip / with 12t characteristic / full	1.6			
adjustable delay time / of S-trip / with I2t characteristic / ful scale value	l- 0.5 :			
adjustable current response value current / of instantaneou short-circuit trip unit	s			
● minimum	600	A		
• maximum	4 00	0 A		
design of the N-conductor protection	adju	stable OFF; 20% to 160%		
product function / grounding protection	Yes			
total break time / for G-tripping / with standard characterist	ic			
initial value	0.05	s		
• full-scale value	0.8	3		
Mechanical Design				
product component				
undervoltage release	No			
voltage trigger	No			
trip indicator	No			
height [in]	9.76	in		
height	248	mm		
width [in]	5.43	in		
width	138	mm		
depth [in]	4.33	in		
depth	110	mm		
Connections				
arrangement of electrical connectors / for main current circ	uit Fror	nt connection		
type of electrical connection / for main current circuit	nut l	keeper kit on both ends		
type of connectable conductor cross-sections / for flat-bar terminal connection / minimum	20 x	1 mm		
type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	35 x	10 mm		
Auxiliary circuit				
number of CO contacts / for auxiliary contacts	0			
Accessories				
product extension / optional / motor drive	Yes			
Environmental conditions				
protection class IP / on the front	IP40)		
ambient temperature				
 during operation / minimum 	-25	°C		
 during operation / maximum 	70 °	С		
 during storage / minimum 	-40	°C		
 during storage / maximum 	80 °	С		
Environmental footprint				
Siemens Eco Profile (SEP)	Sier	nens EcoTech		
reference code / according to IEC 81346-2	Q			
Approvals / Certificates				
General Product Approval				
	m	Confirmation	Ē	Miscellaneous
	<u>m</u>		(P)	
EG-Konf.	ccc		UL	
General Product Ap-	Chinaian	othor		Dangeroux Caral
proval EMV Marine	e / Shipping	other		Dangerous Good
רחר 🗛 ו	San Internet	Confirmation	Miscellaneous	Transport Information
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RCM	ABS			