SIEMENS

Data sheet

3VA6140-6JP41-0AA0

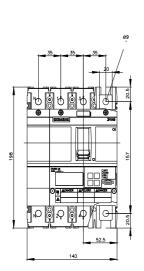


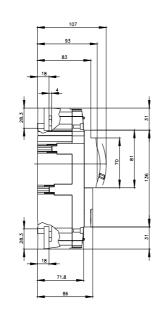
circuit breaker 3VA6 UL frame 150 breaking capacity class H 65kA @ 480V 4-pole, line protection ETU550, LSI, In=40A overload protection Ir=16A...40A short-circuit protection Isd=0.6..10x In, Ii=1.5..12x In N conductor protection adjustable (OFF, up to 160%) without connection

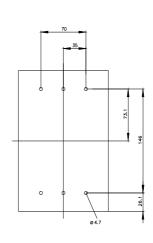
Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HDAE
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	ETU550
protection function of the overcurrent release	LSI
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	2.4 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.8 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	14 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	9 800
electrical endurance (operating cycles) / at 480 V	14 000
electrical endurance (operating cycles) / at 600 V	9 800
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	without
product function	
 communication function 	Yes
 other measurement function 	No
Net Weight	3.2 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
● at 40 °C	40 A
● at 45 °C	40 A
● at 50 °C	40 A
● at 55 °C	40 A
● at 60 °C	40 A
● at 65 °C	40 A
• at 70 °C	40 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
maximum short-circuit current breaking capacity (Icu)	

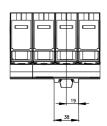
• at 240 V	110 kA
• at 415 V	85 kA
• at 690 V	2.5 kA
operating short-circuit current breaking capacity (lcs)	
• at 240 V	110 kA
• at 415 V	85 kA
• at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
• at 240 V	242 kA
• at 415 V	187 kA
• at 690 V	3.8 kA
Switching capacity according to UL 489	
current breaking capacity	
• at 240 V	100 kA
• at 480 V	65 kA
• at 600 V	22 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	16 A
• maximum	40 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
• maximum	25 s
adjustable response value setting current (Isd) / of S-trip / with l0t characteristic	
• minimum	24 A
• maximum	400 A
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
• minimum	24 A
• maximum	400 A
adjustable response value delay time (tsd) / for S-tripping / with l0t 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	60 A
• maximum	480 A
adjustable setting current (InN) / for N-tripping	
• minimum	15 A
maximum	64 A
adjustable delay time / of S-trip / with I2t characteristic	0.5 s
adjustable current response value current / of instantaneous short-circuit trip unit	
• minimum	60 A
• maximum	480 A
design of the N-conductor protection	adjustable OFF; 40% to 160%
product function / grounding protection	No
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
trip indicator	No
height [in]	7.8 in
height	198 mm
width [in]	5.51 in
width	140 mm

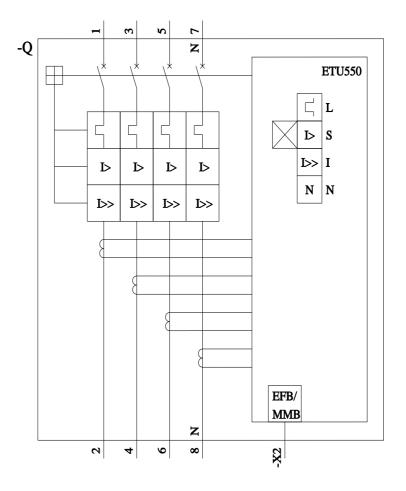
depth [in]		3.39) in		
depth		86 r	nm		
Connections					
arrangement of electric	al connectors / for main cu	urrent circuit With	nout connection		
type of electrical conne	ction / for main current cire	cuit With	nout		
Auxiliary circuit					
number of CO contacts	/ for auxiliary contacts	0			
Accessories	- -				
product extension / opti	onal / motor drive	Yes			
Environmental conditio	ns				
protection class IP / on		IP4)		
ambient temperature					
during operation	/ minimum	-25	°C		
during operation		20° 70 °			
during storage / r		-40			
during storage / r					
Certificates	IIIaxiiiiuiii	00	0		
reference code / accord	ling to IEC 91246-2	Q			
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vessels) / supplement S	' as approval for NAVAL (r SB	io compatities			
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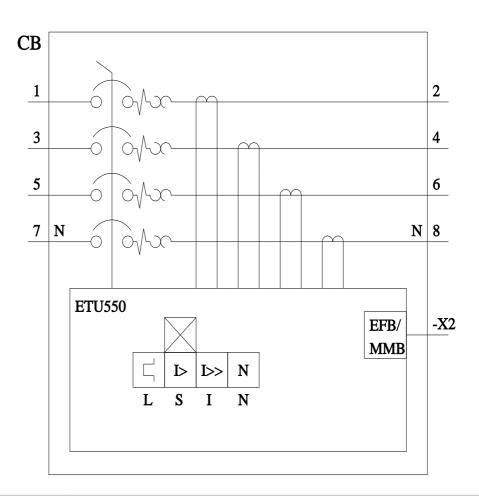












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