SIEMENS

Data sheet

3VA2025-8KP42-0AA0

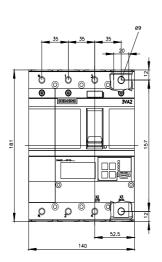


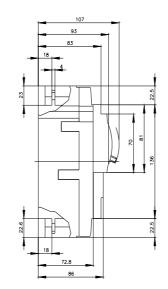
circuit breaker 3VA2 IEC frame 100 breaking capacity class L Icu=150kA @ 415V 4-pole, line protection ETU850, LSI, In=25A overload protection Ir=10A...25A shortcircuit protection Isd=0.6..10x In, Ii=1.5..12x In N conductor protection adjustable (OFF, up to 160%) nut keeper kit

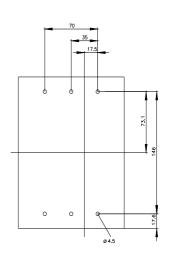
Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	ETU850
protection function of the overcurrent release	LSI
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	0.5 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.17 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	15 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	10 500
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 	Yes
Net Weight	3.2 kg
Current	
operational current	
● at 40 °C	25 A
● at 45 °C	25 A
● at 50 °C	25 A
● at 55 °C	25 A
● at 60 °C	25 A
● at 65 °C	25 A
● at 70 °C	25 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	L
maximum short-circuit current breaking capacity (lcu)	
● at 240 V	200 kA
• at 415 V	150 kA
• at 440 V	150 kA
• at 500 V	100 kA
• at 690 V	25 kA
operating short-circuit current breaking capacity (lcs)	

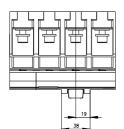
• at 240 V	200 kA
• at 415 V	150 kA
• at 440 V	150 kA
• at 500 V	100 kA
• at 690 V	18 kA
short-circuit current making capacity (lcm)	
• at 240 V	440 kA
• at 415 V	330 kA
• at 440 V	330 kA
• at 500 V	220 kA
• at 690 V	52.5 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	10 A
• maximum	25 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 I0t characteristic	
• minimum	15 A
maximum	250 A
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
• minimum	15 A
• maximum	250 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 l2t characteristic	0.05 a
• minimum	0.05 s
maximum	0.5 \$
adjustable response value setting current (li) / for I-tripping	38 A
 minimum maximum 	300 A
adjustable setting current (InN) / for N-tripping	300 A
minimum	10 A
• maximum	40 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]	7.13 in
height	181 mm
width [in]	5.51 in
width	140 mm
depth [in]	3.39 in
depth	86 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	on both sides nut keeper kit
type of connectable conductor cross-sections / for flat-bar terminal connection / minimum	13 x 1 mm
type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	25 x 8 mm

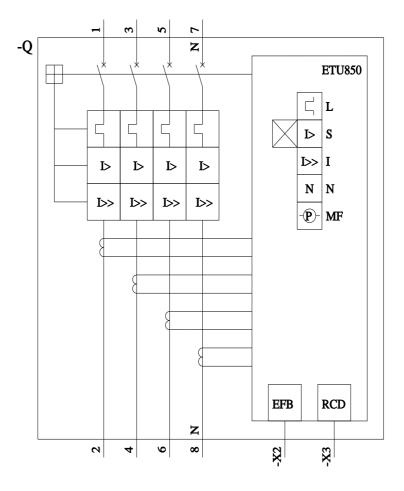
	of the connections / on the	e top of the	tin			
switch (N, 1, 3, 5) design of the surface / o switch (N, 2, 4, 6)	of the connections / on the	e bottom of the	tin			
Auxiliary circuit			-			
number of CO contacts	/ for auxiliary contacts		0			
Accessories			0			
product extension / opti	ional / motor drive		Yes			
Environmental conditio			Tes			
protection class IP / on			IP40			
			IP40			
ambient temperature	/ minimum		-25 °C			
during operation			-25 C 70 °C			
during operation / maximum						
during storage / minimum		-40 °C 80 °C				
during storage / r Certificates	maximum		80 C			
			0			
reference code / accord	•		Q			5140
General Product App	roval					EMC
	<u>Confirmation</u>	DE	b	<u>Miscellaneous</u>	EAC	
Declaration of Confor	rmity	Test Certificat	es			Marine / Shipping
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