



Contactor AC 120 V 50/60 HZ AC3 45 kW 400 V 3-pole, size S3, screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT5
General technical data	
power loss [W] for rated value of the current	
• at AC in hot operating state per pole	10.8 W
• without load current share typical	7.83 W
type of calculation of power loss depending on pole	quadratic
Substance Prohibitance (Date)	03/01/2017
Net Weight	1.84 kg
Main circuit	
operating voltage	
• at AC-3 rated value maximum	1 000 V
• at AC-3e rated value maximum	1 000 V
operational current	
• at AC-3	
— at 400 V rated value	95 A
— at 690 V rated value	58 A
• at AC-3e	
— at 400 V rated value	95 A
— at 690 V rated value	58 A
— at 1000 V rated value	30 A
operating power	
• at AC-3	
— at 230 V rated value	22 kW
— at 400 V rated value	45 kW
— at 500 V rated value	55 kW
— at 690 V rated value	55 kW
• at AC-3e	
— at 230 V rated value	22 kW
— at 400 V rated value	45 kW
— at 500 V rated value	55 kW
— at 690 V rated value	55 kW
— at 1000 V rated value	37 kW
operating frequency	
• at AC-3e maximum	850 1/h
UL/CSA ratings	
yielded mechanical performance [hp] for 3-phase AC motor at 460/480 V rated value	75 hp

Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Approvals Certificates	
General Product Approval	EMV



[Confirmation](#)



Maritime application	other	Environment
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[CCS \(China Classification Society\)](#)

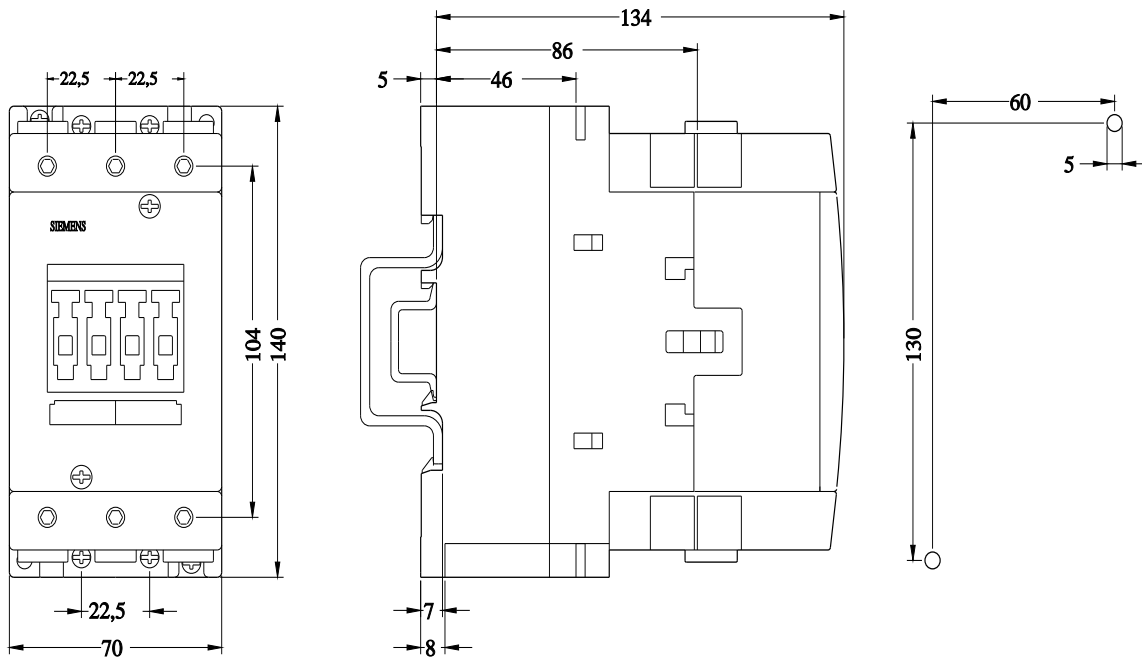


[Confirmation](#)

[Environmental Confirmations](#)

Further information

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/products?pnid=16027&lc=en-CN>



last modified:

4/3/2025

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