## SIEMENS

## Data sheet

## 5SY4463-5

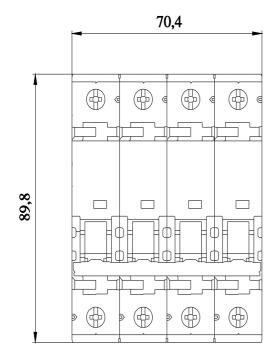


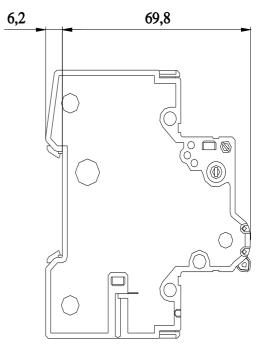
Miniature circuit breaker 400 V 10kA, 4-pole, A, 63 A, D=70 mm

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	4
design of pole	4P
tripping characteristic class	A
mechanical service life (operating cycles) typical	10 000
overvoltage category	Ш
degree of pollution	3
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	440 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	440 V
supply voltage with single-phase operation at AC rated value	230 V
Supply voltage	
supply voltage	
<ul> <li>at AC rated value</li> </ul>	400 V
at DC rated value	60 V
value range of the supply voltage frequency	50/60 Hz
operating voltage at DC rated value maximum	72 V
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
<ul> <li>at DC according to IEC 60947-2 rated value</li> </ul>	15 kA
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	15 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	6 W
suitability for operation	Mechanical engineering / industry
Product details	
product component	
<ul> <li>combined terminal top</li> </ul>	Yes
<ul> <li>combined terminal bottom</li> </ul>	Yes
<ul> <li>neutral conductor switching</li> </ul>	No
product feature	
<ul> <li>properties for main switches in accordance with EN</li> </ul>	Yes

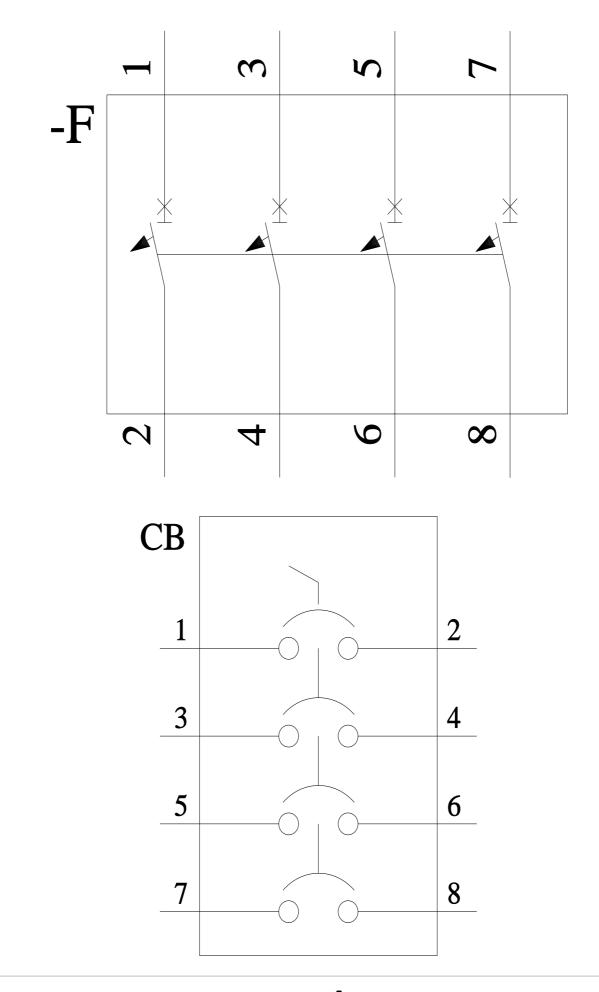
60204-1						
<ul> <li>halogen-free</li> </ul>		Yes				
• sealable		Yes				
<ul> <li>silicon-free</li> </ul>		Yes				
product extension installable supplementary device	es	Yes				
Short circuit						
short-circuit current breaking capacity (Icn)						
at AC according to UL 1077 and CSA C22.	2 No.235	5 kA				
Connections						
connectable conductor cross-section solid						
• minimum		0.75 mm <sup>2</sup>				
• maximum		35 mm²				
connectable conductor cross-section stranded						
• minimum		0.75 mm <sup>2</sup>				
• maximum		35 mm²				
connectable conductor cross-section finely strand end processing	ed with core					
minimum		0.75 mm <sup>2</sup>				
• maximum		25 mm <sup>2</sup>				
AWG number as coded connectable conductor cro	oss section					
• minimum	-	18				
• maximum		4				
tightening torque [lbf in] with screw-type terminals						
• minimum		22 lbf·in				
• maximum		31 lbf·in				
tightening torque with screw-type terminals		0.1.101.111				
• minimum		2.5 N·m				
• maximum		3.5 N·m				
position of power supply cord		Any				
Mechanical Design		, ury				
height		90 mm				
width		72 mm				
depth		76 mm				
installation depth		70 mm				
number of modular width units		4				
fastening method			sembly system			
mounting position		any				
net weight		645 g				
Environmental conditions		0109				
influence of the surrounding temperature		may 05%	to 55°C max 55%	to 70°C max 35% to	75°C	
standard		max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C IEC / EN 60898-1, IEC / EN 60947-2 / UL1077				
vibration resistance according to IEC 60068-2-6			5 to 25Hz; 50m/s <sup>2</sup> at			
ambient temperature during operation		I IIIII al	5 to 25112, 5011/8- at	23 10 130112		
minimum		-40 °C				
		-40 °C 70 °C				
maximum		10 0				
ambient temperature during storage		40.00				
• minimum		-40 °C				
maximum	anding to 150	75 °C				
number of test cycles for environmental testing ac 60068-2-30	cording to IEC	6				
General Product Approval						
Confirmation			<u>Miscellaneous</u>	EHC	<u>Miscellaneous</u>	
Declaration of Conformity	Test Certificate	es		Marine / Shipping	I.	

CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Miscellaneous</u>	ABS	Lloyd's Register urs
other		Railway		Environment	
Miscellaneous	<u>Confirmation</u>	<u>Confirmation</u>	Vibration and Shock	Environmental Con- firmations	
Siemens is working on Please contact your loca EAC relevant market (ot Information on the pac https://support.industry.s Information- and Dowr http://www.siemens.com Industry Mall (Online o https://mall.industry.sen Service&Support (Man https://support.industry.s Image database (produ	m/global/en/pressreleas the renewal of the cur al Siemens office on the s her than the sanctioned kaging isemens.com/cs/ww/en/v iloadcenter (Catalogs, v/lowvoltage/catalogs rdering system) hens.com/mall/en/en/Cat uals, Certificates, Char isemens.com/cs/ww/en/p ict images, 2D dimensi isemens.com/bilddb/cax_	e/siemens-wind-down-rus rent EAC certificates. status of validity of the EA EAEU member states Rus iew/109813875 Brochures,) talog/product?mlfb=5SY44 racteristics, FAQs,)	C certification if you intenessia or Belarus). 163-5 16 device circuit diagram	d to import or offer to supply	r these products to an





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