SIEMENS

Data sheet 5SL4140-7RC

Miniature circuit breaker 240/415 V 10kA, 1-pole, C, 40 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	C
mechanical service life (operating cycles)	
● at AC typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.
insulation voltage (Ui)	
● with single-phase operation at AC rated value	250 V
● with multi-phase operation at AC rated value	440 V
operational current	
● at 30 °C rated value	40 A
● at AC rated value	40 A
Supply voltage	
value range of the supply voltage frequency	50/60 Hz
operating voltage	
● with multi-phase operation at AC maximum	440 V
● at DC rated value maximum	62.5 V
●	The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V
value range of the supply voltage at AC	240/415 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
● according to EN 60898 rated value	10 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	4.1 W
suitability for operation	Residential buildings/infrastructure
Product details	
product feature touch protection	Yes

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product component neutral conductor switching	No
product feature	
● halogen-free	Yes
● sealable	Yes
● silicon-free	Yes
product extension installable supplementary devices	Yes
Connections	
connectable conductor cross-section solid	
● minimum	0.75 mm²
● maximum	25 mm²
connectable conductor cross-section stranded	
● minimum	0.75 mm²
● maximum	25 mm²
connectable conductor cross-section finely stranded with core end processing	
● minimum	0.75 mm²
● maximum	25 mm²
tightening torque with screw-type terminals	
● minimum	2.5 N·m
● maximum	3 N·m
Mechanical Design	
height	90 mm
width	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
net weight	150 g
Environmental conditions	
vibration resistance according to IEC 60068-2-6	no
ambient temperature during operation	
● minimum	-25 °C
● maximum	55 °C
ambient temperature during storage	
● minimum	-40 °C
● maximum	75 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	26.9 kg
Global Warming Potential [CO2 eq] during manufacturing	0.73 kg
Global Warming Potential [CO2 eq] during operation	26.3 kg
Global Warming Potential [CO2 eq] after end of life	-0.066 kg

Approvals Certificates

General Product Approval				Test Certificates	other
CE EG-Konf.	UKCA	Confirmation	EAC	Miscellaneous	Miscellaneous

other	Environment		
Confirmation	EPD	Environmental Con-firmations	Environmental Con-firmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)

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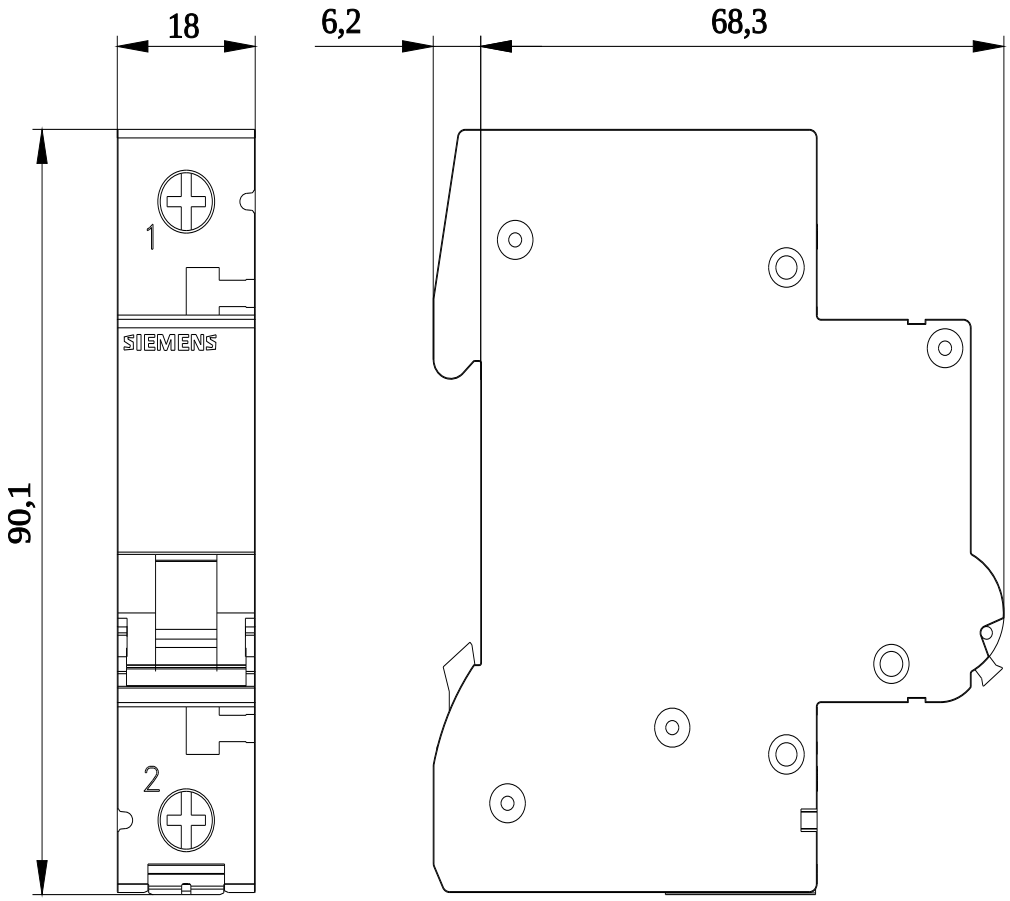
http://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4140-7RC
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SL4140-7RC
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4140-7RC
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications



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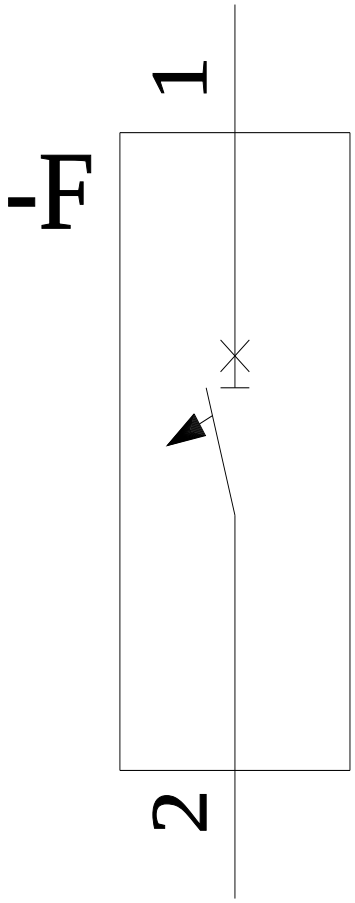

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