



Main miniature circuit breaker (SHU), 1-pole, E 40A, 230/400 V (block with L1, L2, L3)

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	Main miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	E
mechanical service life (operating cycles) typical	20 000
overvoltage category	4
degree of pollution	3
Voltage	
insulation voltage (Ui) rated value	690 V
surge voltage resistance rated value	6 kV
supply voltage with single-phase operation at AC rated value	230 V
• operational current — at 30 °C rated value — at 40 °C rated value — at 50 °C rated value — at 55 °C rated value • operational current at AC rated value	40 A 38 A 36 A 35 A 40 A
Supply voltage	
supply voltage at AC	230 V
operating voltage rated value	• minimum • maximum
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP40, with connected conductors
Breaking Capacity	
switching capacity current	• rated value • according to EN 60898 rated value
switching capacity current	25 kA 25 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	6.4 W
suitability for operation	Residential buildings/infrastructure

Product details		
product component	• outgoing feeder via spring-loaded terminal	Yes
	• infeed at box terminal	Yes
product feature properties for main switches in accordance with EN 60204-1		Yes
product feature sealable		Yes
Display and operation		
display version for switch position indicator		OFF = green, ON = red
Connections		
connectable conductor cross-section of spring-loaded terminal finely stranded with core end processing	• minimum	2.5 mm ²
	• maximum	16 mm ²
connectable conductor cross-section of the box terminal	• solid minimum	2.5 mm ²
	• solid maximum	50 mm ²
	• stranded minimum	2.5 mm ²
	• stranded maximum	50 mm ²
position of power supply cord		Stipulated by installation in the lower section of the meter panel
Mechanical Design		
height		151.3 mm
depth		89.5 mm
depth of the enclosure		76.3 mm
number of modular width units		1.5
fastening method		Busbar
fastening method other		on 40-mm busbar system in compliance with DIN 43870 Part 2
Net Weight		1.3 kg
Environmental conditions		
shock resistance		30 g, at least 3 impacts, impact duration 11 ms
vibration resistance according to IEC 60068-2-6		2 g, 20 frequency cycles 5 to 150 to 15 Hz
ambient temperature during operation	• minimum	-25 °C
	• maximum	55 °C
ambient temperature during storage	• minimum	-40 °C
	• maximum	70 °C
Approvals Certificates		
Environment	General Product Approval	other

[Environmental Confirmations](#)

[Environmental Confirmations](#)



other

[Confirmation](#)

Further information
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SP3740-2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3740-2>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3740-2

CAX-Online-Generator

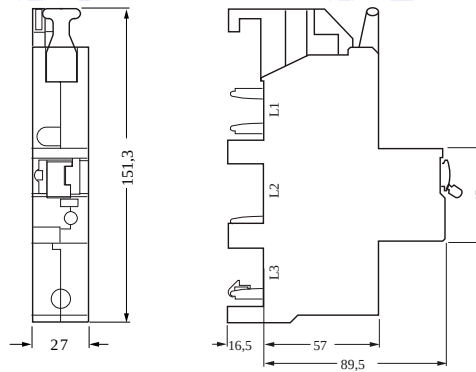
<https://www.siemens.com/cax>

Tender specifications

<https://www.siemens.com/specifications>

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>



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