



Device circuit breaker 1-pole with auxiliary switch NO contact Characteristic F1 4A 230 V AC 50/60 Hz 60 V DC I_{cn} 3 kA AC according to IEC 60934

Model	
product brand name	SENTRON
product designation	Device protection switch
General technical data	
number of poles	1
design of pole	1P+AS
tripping characteristic class	F1
mechanical service life (switching cycles) / typical	6 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage / of the operating voltage	AC/DC
Supply voltage	
supply voltage	
• at AC / rated value	230 V
• at DC / rated value	60 V
operating voltage / at DC / rated value / maximum	72 V
Protection class	
protection class IP	IP20
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.45 W
Current	
operational current	
• at 35 °C / rated value	3.87 A
• at 40 °C / rated value	3.67 A
• at 45 °C / rated value	3.56 A
• at 50 °C / rated value	3.46 A
• at 55 °C / rated value	3.35 A
• at 60 °C / rated value	3.23 A
• at AC / rated value	4 A
Product details	
product component / neutral conductor switching	No
product feature / touch protection	Yes
product component	
• combined terminal top	No
• combined terminal bottom	No
product feature	
• properties for main switches in accordance with EN	Yes

60204-1				
• halogen-free	Yes			
• sealable	Yes			
• silicon-free	Yes			
product extension / installable / supplementary devices	Yes			
Connections				
connectable conductor cross-section / solid				
• minimum	0.5 mm ²			
• maximum	16 mm ²			
connectable conductor cross-section / stranded				
• minimum	0.5 mm ²			
• maximum	16 mm ²			
connectable conductor cross-section / finely stranded / with core end processing				
• minimum	0.5 mm ²			
• maximum	10 mm ²			
AWG number / as coded connectable conductor cross section				
• minimum	20			
• maximum	6			
tightening torque [lbf·in] / with screw-type terminals				
• minimum	17.7 lbf·in			
tightening torque / with screw-type terminals				
• minimum	2 N·m			
• maximum	2.5 N·m			
position / of power supply cord	Any			
Mechanical Design				
height	90 mm			
width	18 mm			
depth	76 mm			
installation depth	70 mm			
number of modular width units	1			
fastening method	standard rail			
mounting position	Horizontal/vertical			
net weight	109.8 g			
Environmental conditions				
influence of the surrounding temperature	30 °C @ 85%rF; 60 °C @ 20%rF"			
vibration resistance / acc. to IEC 60068-2-6	Yes			
ambient temperature / during operation				
• minimum	-25 °C			
• maximum	60 °C			
ambient temperature / during storage				
• minimum	-40 °C			
• maximum	70 °C			
number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6			
Certificates				
reference code				
• acc. to DIN EN 61346-2	F			
• acc. to IEC 81346-2	F			
General Product Approval		Declaration of Conformity	Test Certificates	other



[Miscellaneous](#)

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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY1704-2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY1704-2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY1704-2

CAX-Online-Generator

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

Tender specifications

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





