SIEMENS

Data sheet

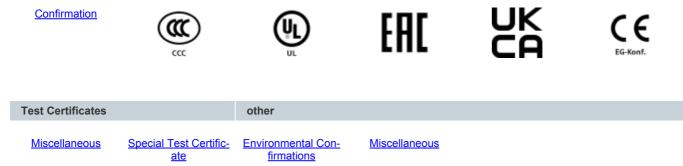
5SJ4360-8HG41



Miniature circuit breaker 240 V 10kA, 3-pole, D, 60A, D=70 mm according to UL 489 $\,$

Model	
product brand name	SENTRON
product designation	Miniature circuit breakers
design of the product	Miniature circuit-breaker 5SJ4
General technical data	
number of poles	3
design of pole	3P
tripping characteristic class	D
mechanical service life (switching cycles) typical	10 000
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	F
overvoltage category	3
degree of pollution	3
Voltage	
type of voltage of the operating voltage	AC/DC
insulation voltage (Ui) at AC rated value	440 V
Supply voltage	
supply voltage at AC rated value	400 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
 at AC according to UL 489 and CSA C22.2 No. 5-02 maximum 	240 V
 at DC rated value maximum 	60 V
 at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum 	60 V
 at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 	125 V
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, with connected conductors, IP 40 in the handle range
Switching capacity	
switching capacity current	
 according to EN 60898 rated value 	10 kA
 according to IEC 60947-2 rated value 	15 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	6.5 W
Current	
operational current	
• at 30 °C rated value	60 A

• at 40 °C rated value	60 A
• at 45 °C rated value	58.8 A
• at 50 °C rated value	57.5 A
• at 55 °C rated value	56.3 A
 at 60 °C rated value at AC rated value 	55.2 A 60 A
	60 A
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240
suitability for operation	Mechanical engineering / industry
	Mechanical engineering / industry
Product details	
product component	Ne
 tunnel terminals top tunnel terminals bottom 	No No
combined terminal top	Yes
combined terminal top combined terminal bottom	Yes
neutral conductor switching	No
product feature	
halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	Yes
Product function	
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
•	
Short circuit	40.14
breaking capacity short-circuit current (Icn) at AC according to UL 1077 and CSA C22.2 No.235	10 kA
Connections	
connectable conductor cross-section finely stranded with	
core end processing	
• minimum	0.75 mm ²
• maximum	25 mm ²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	
height	110 mm
	110 mm 54 mm
height width depth	54 mm 70 mm
height width depth installation depth	54 mm 70 mm 70 mm
height width depth installation depth number of modular width units	54 mm 70 mm 70 mm 3
height width depth installation depth number of modular width units fastening method	54 mm 70 mm 70 mm 3 on standard mounting rail
height width depth installation depth number of modular width units fastening method mounting position	54 mm 70 mm 70 mm 3 on standard mounting rail any
height width depth installation depth number of modular width units fastening method mounting position net weight	54 mm 70 mm 70 mm 3 on standard mounting rail
height width depth installation depth number of modular width units fastening method mounting position	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance according to IEC 60068-2-6	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s ² at 25 to 150 Hz
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance ambient temperature during operation • minimum	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s ² at 25 to 150 Hz 55 °C
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s ² at 25 to 150 Hz 55 °C -25 °C
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height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage • minimum	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s ² at 25 to 150 Hz 55 °C -25 °C max. 95% humidity -40 °C
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage • minimum • maximum	54 mm 70 mm 70 mm 3 on standard mounting rail any 506 g 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s ² at 25 to 150 Hz 55 °C -25 °C max. 95% humidity
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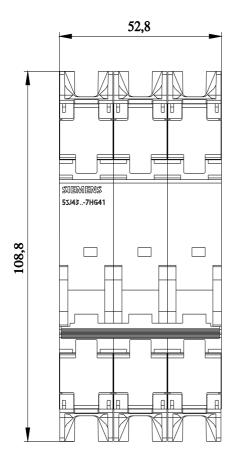


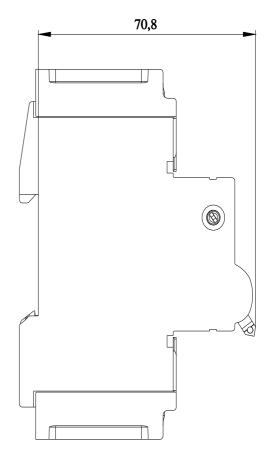
Further information

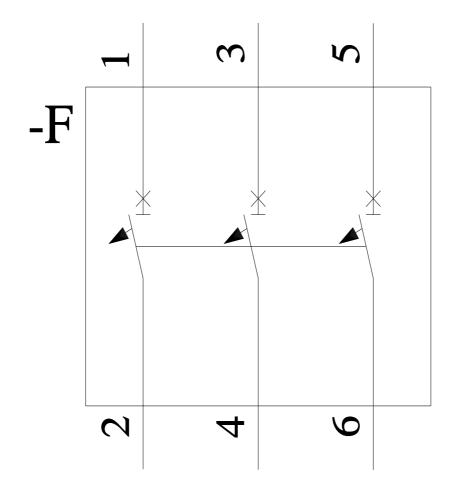
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Tender specifications

http://www.siemens.com/specifications







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