

ARC FAULT DETECTION UNIT 1-40A 230V FOR MCB 1+N 1MW



Model	
product brandname	SETRON
Product designation	Arc-fault detection unit block
Design of the product	for MCB 5SY60
General technical data	
Number of poles	2
Number of poles / Note	1P+N
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock / acc. to EN 50274	finger and back-of-hand safe
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Supply voltage	
Supply voltage / at AC / rated value	230 V
Protection class	
Protection class IP	IP20, with connected protective device and conductors
Dissipation	
Power loss [W]	

• for rated value of the current / at AC / in hot operating state / per pole	0.6 W
• maximum	1.2 W

Electricity

Tripping current

• in the event of electrical arcs in parallel with the load / maximum	500 A
• in the event of electrical arcs in parallel with the load / minimum	50 A
• in the event of electrical arcs in series with the load / maximum	40 A
• in the event of electrical arcs in series with the load / minimum	1 A

Current / at AC / rated value	40 A
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Product details

Product feature

• halogen-free	Yes
• silicon-free	Yes

Product extension / can be installed / supplementary devices	Yes
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Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
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Connections

Connectable conductor cross-section / stranded / minimum	0.75 mm ²
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Connectable conductor cross-section

• solid	
— minimum	0.75 mm ²
— maximum	16 mm ²
• finely stranded / with core end processing	
— minimum	0.75 mm ²
— maximum	10 mm ²

Tightening torque / with screw-type terminals

• minimum	2 N·m
• maximum	2.5 N·m

Position / of power supply cord	Bottom
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Mechanical Design



Height	95 mm
Width	36 mm
Depth	68.5 mm

Mounting position	any
Installation depth	70 mm
Number of width units	1
Number of width units / of the mountable protective device	1
Mounting type	DIN rail (REG)
Net weight	114 g

Environmental conditions

Degree of pollution	2
Ambient temperature	
<ul style="list-style-type: none"> • minimum • maximum • during storage / minimum • during storage / maximum 	<ul style="list-style-type: none"> -25 °C 40 °C -40 °C 75 °C

Certificates

General Product Approval	Declaration of Conformity	other
 VDE	 EG-Konf.	sonstig

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=5SM6014-2>

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

<http://support.automation.siemens.com/WW/view/en/5SM6014-2/all>

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

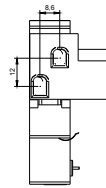
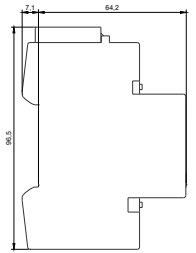
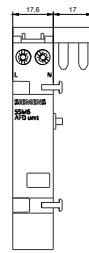
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM6014-2

CAX-Online-Generator

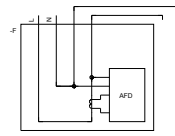
<http://www.siemens.com/cax>

Tender specifications

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



5SM6014-2 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)



Siemens	5SM60(1,2)1-1 / Allpolg / A FORMAT / SIZE: Hybrid QUER H420mmxB279,4mm 42000 - 100 000
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