

Overview

8WA1 011-1SF12 fuse terminals are used to protect control circuits against short-circuits.

The fuse terminals are intended for 5 mm × 20 mm and 5 mm × 25 mm G fuse links up to 6.3 A and 250 V and for bridging links up to 16 A and 800 V and have a mounting for a replacement fuse link.

The fuse terminals are suitable for fuse links, sizes 1/4" × 1", 1/4" × 1 1/4" (6.3 mm × 32 mm) to 6.3 A and 250 V.

Fuse terminals are positive opening fuse-disconnectors.





The fuse links must be replaced at zero voltage. Finger safety is ensured in both closed and open positions.

The LED indicates the status of the disconnected fuse (residual current from 2 mA to 5 mA), but not if the plug is removed (floating).

The double connection is designed so that two conductors with different cross-sections can also be securely connected.

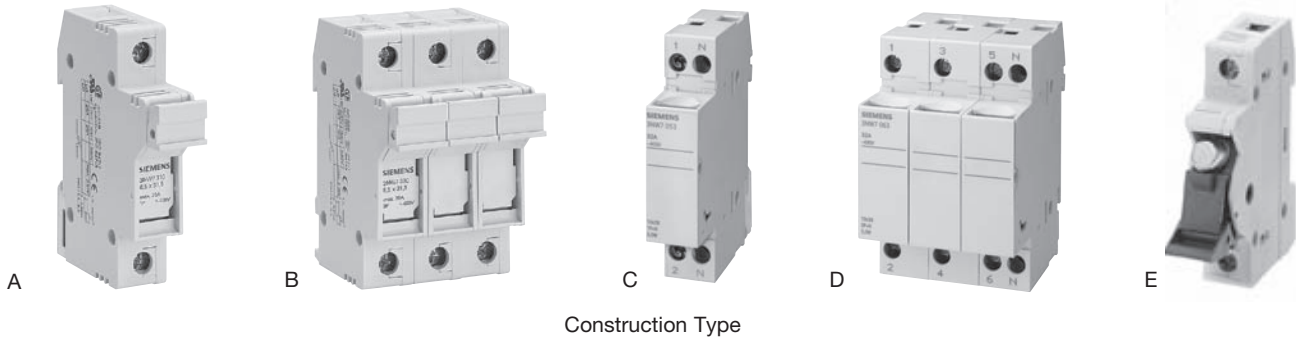
The fixing base of the G fuse terminal allows both centered and recessed mounting, allowing the unhindered routing of a 6 mm × 6 mm N-busbar. The G fuse terminal can therefore be joined into a single group with the other terminals of a branch.

Selection and ordering data

Version	Order No.	MOQ*
General details <ul style="list-style-type: none"> With thermoplastic insulating body Screw terminal at both ends for 2 conductors each Enclosed at both ends 		
Note For labeling accessories, see ...	Section Accessories	Page 10/2
Terminal size 1.5 mm²		
 <p>8WA1 011-1SF12</p>	Fuse terminals, terminal size 1.5 mm² <ul style="list-style-type: none"> Rated uninterrupted current 6.3 A when using fuses Rated uninterrupted current 16 A when using the bridging link Rated uninterrupted voltage 250 V when using fuses Rated insulation voltage 800 V when using the bridging link Mounting width 10 mm Terminal height 42 mm Terminal length 57 mm Open isolating distance 500 V AWG 18-14 AWG 18-14 	
 <p>8WA1 011-1SF13</p>	Versions <ul style="list-style-type: none"> For G-fuse <ul style="list-style-type: none"> Without LED With LED 24 V AC/DC With LED 48 V AC/DC With LED 230 V AC/DC For inch fuse <ul style="list-style-type: none"> Without LED With LED 24 V AC/DC With LED, 120 V AC/110 V DC 	
Accessories		
 <p>8WA1 822-7EF16</p>	G fuse links DIN 41660	
	Versions <ul style="list-style-type: none"> Quick-response, high breaking capacity <ul style="list-style-type: none"> Rated uninterrupted current 1 A Rated uninterrupted current 1.6 A Rated uninterrupted current 2.5 A Rated uninterrupted current 4 A Rated uninterrupted current 6.3 A Slow-response, low breaking capacity <ul style="list-style-type: none"> Rated uninterrupted current 1 A Rated uninterrupted current 1.6 A Rated uninterrupted current 2.5 A Rated uninterrupted current 4 A Rated uninterrupted current 6.3 A 	
 <p>8WA1 891</p>	Bridging links 5 mm × 25 mm	
	8WA1 011-1SF12 8WA1 011-1SF13 8WA1 011-1SF14 8WA1 011-1SF15 8WA1 011-1SF30 8WA1 011-1SF31 8WA1 011-1SF32	10 units 10 units 10 units 10 units 10 units 10 units 10 units
	8WA1 822-7EF16 8WA1 822-7EF18 8WA1 822-7EF21 8WA1 822-7EF23 8WA1 822-7EF25 8WA1 822-7EF76 8WA1 822-7EF78 8WA1 822-7EF81 8WA1 822-7EF83 8WA1 822-7EF85 8WA1 891	10/200 units 10 units 10 units 10 units 10 units 10 units 10 units 10 units 10 units 10 units 10 units

* You can order this quantity or a multiple thereof.

Selection and ordering data



Construction Type

Class CC Fuse Holders: UL Listed for Branch Circuit Protection³⁾

No. of Poles	I _n A	Fuse Size mm x mm	Without Blown Fuse Indicator				With Blown Fuse Indicator ²⁾			
			Order No.	List Price \$ 1 Item	Construction Type	Weight 1 Item kg	Order No.	List Price \$ 1 Item	Construction Type	Weight 1 Item kg
1	30	Class CC 10.3 x 38.1 (13/32" x 1-1/2")	3NW7513-0HG	—	E ¹⁾	0.056	—	—	—	
2			3NW7523-0HG	—		0.118	—	—	—	
3			3NW7533-0HG	—		0.172	—	—	—	

Midget Class Fuse Holders: UL Recognized for Supplementary Protection

No. of Poles	I _n A	Fuse Size mm x mm	Without Blown Fuse Indicator				With Blown Fuse Indicator ²⁾			
			Order No.	List Price \$ 1 Item	Construction Type	Weight 1 Item kg	Order No.	List Price \$ 1 Item	Construction Type	Weight 1 Item kg
1	30	Midget Class 10.3 x 38.1 (13/32" x 1-1/2")	3NW7013	—	C & D ¹⁾	0.056	3NW7014	—	C & D ¹⁾	0.059
1 + N			3NW7053	—		0.069	3NW7054	—		0.072
2			3NW7023	—		0.118	3NW7024	—		0.123
3			3NW7033	—		0.172	3NW7034	—		0.180
3 + N			3NW7063	—		0.185	3NW7064	—		0.193

Other Supplementary Protectors (Refer to page 16/26 for UL and CSA status)

No. of Poles	I _n A	Fuse Size mm x mm	Without Blown Fuse Indicator				With Blown Fuse Indicator ²⁾			
			Order No.	List Price \$ 1 Item	Construction Type	Weight 1 Item kg	Order No.	List Price \$ 1 Item	Construction Type	Weight 1 Item kg
1	20	8 x 32	3NW7313	—	C	0.056	3NW7314	—	C	0.059
	32	10 x 38	3NW7013	—	C	0.056	3NW7014	—	C	0.059
	50	14 x 51	3NW7111	—	A	0.095	3NW7112	—	A	0.095
	100	22 x 58	3NW7211	—	A	0.145	3NW7212	—	A	0.145
1 + N	20	8 x 32	3NW7353	—	C & D ¹⁾	0.069	3NW7354	—	C & D ¹⁾	0.072
	32	10 x 38	3NW7053	—	C & D ¹⁾	0.069	3NW7054	—	C & D ¹⁾	0.072
	50	14 x 51	3NW7151	—	A & B ¹⁾	0.215	3NW7152	—	A & B ¹⁾	0.215
	100	22 x 58	3NW7251	—	A & B ¹⁾	0.330	3NW7252	—	A & B ¹⁾	0.330
2	20	8 x 32	3NW7323	—	C & D ¹⁾	0.118	3NW7324	—	C & D ¹⁾	0.123
	32	10 x 38	3NW7023	—	C & D ¹⁾	0.118	3NW7024	—	C & D ¹⁾	0.123
	50	14 x 51	3NW7121	—	A & B ¹⁾	0.195	3NW7122	—	A & B ¹⁾	0.195
	100	22 x 58	3NW7221	—	A & B ¹⁾	0.300	3NW7222	—	A & B ¹⁾	0.300
3	20	8 x 32	3NW7333	—	C	0.172	3NW7334	—	D	0.180
	32	10 x 38	3NW7033	—	D	0.172	3NW7034	—	D	0.180
	50	14 x 51	3NW7131	—	B	0.295	3NW7132	—	B	0.295
	100	22 x 58	3NW7231	—	B	0.691	3NW7232	—	B	0.480
3 + N	20	8 x 32	3NW7363	—	C & D ¹⁾	0.185	3NW7364	—	C & D ¹⁾	0.193
	32	10 x 38	3NW7063	—	C & D ¹⁾	0.185	3NW7064	—	C & D ¹⁾	0.193
	50	14 x 51	3NW7161	—	A & B ¹⁾	0.315	3NW7162	—	A & B ¹⁾	0.315
	100	22 x 58	3NW7261	—	A & B ¹⁾	0.475	3NW7262	—	A & B ¹⁾	0.475

1) Same Mechanical Design - Other Pole Types Not Shown
2) LED is "ON" when fuse is blown (open)

3) UL 508 busbar available; 5ST3701-0HG, 5ST3705-0HG, 5ST3710-0HG.
See page 16/19.

Control Circuit Protection

General Data

3NW7 Cylindrical Fuse Holders

Technical data

Type		Class CC 3NW75.3-0HG	Midget 3NW70.3, 3NW70.4	3NW73..	3NW70..	3NW71..	3NW72..
Fuse size	mm x mm	10.3 x 38.1	10.3 x 38.1	8 x 32	10 x 38	14 x 51	22 x 58
	inch x inch	13/32" x 1-1/2"	13/32" x 1-1/2"	-	-	-	-
Standards		UL512, CSA C22.2		IEC 60269-1, -2, -3 NF C 60-200, NF C 63-210, -211 NBN C 63269-2-1 CEI 32-4, -12		UL512, CSA C22.2	IEC 60269-1, -2, -3 NF C 60-200, NF C 63-210, -211 NBN C 63269-2-1 CEI 32-4, -12
Certifications		UL Listed, Certified to Canadian Standards	UL Recognized, Certified to Canadian Standards	Not UL / CSA Rated		UL Recognized, Certified to Canadian Standards	Not UL / CSA Rated
UL file no.		E171267		-		E171267	-
Rated voltage	U _n	V AC	-	-	400	690	
	UL/CSA	V AC	600	600	400	600	
	UL	V DC	-	600 ¹⁾	-	-	
Rated current	A	30	30	20	32	50	100
Rated breaking capacity	kA	Fuse Selection Dependent		20	100		
Touch protection to BGV AC		Yes					
Degree of protection to IEC 60529		IP20, with connected conductors					
Operating temperature range	°C	-5 to +40; 90% max. humidity at +20					
Conductor cross sections							
Solid	mm ²	1.5 to 25	0.5 to 10	0.5 to 10		2.5 to 10	4 to 10
Stranded	mm ²	1.5 to 25	0.5 to 10	0.5 to 10		2.5 to 25	4 to 50
Finely Stranded	mm ²	-	0.5 to 10	0.5 to 10		2.5 to 16	4 to 35
UL/CSA	AWG	18 to 4	20 to 10	-	20 to 10	6 to 10	-
Terminal Tightening Torque	Nm	-	-	1.2		2	2.5
	lb. in.	-	-	10.9		18.2	22.7

1) UL Recognized 600 V DC to meet the requirements of the US Solar Industry.