



SENTRON

Fuse Switch Disconnectors - 3NP1

End to end safety for user and systems

- Compliant with IEC 60947-1 and IEC 60947-3
- 1-pole to 4-pole versions up to 630A at 1000V AC/ DC
- Fuse and Voltage monitoring
- 40/ 60mm busbar mounting option
- Selection chart with SITOR fuses

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SIEMENS

SENTRON 3NP1 Fuse Switch Disconnectors up to 630A

Reliable safety of personnel and systems

Overview:

- Available in five frame sizes from 100 to 630 A
- Optional for use of fuse links in LV HRC design
- 1-, 2-, 3- and 4-pole switchable

Application:

- Can be used in main and auxiliary circuits
- For non-routine switching
- VFD/ Soft Starter/ Capacitor panels

Benefits:

- Fuse puller is not required
- Mounting flexibility: Base / DIN / busbar
- AC20 / DC20 1000V

3NP1 with Floor mounting

3NP1 without fuse monitoring

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles ⁴⁾	Type
100 ¹⁾	000	000	Box	1	3NP1121-1CA20
				3	3NP1123-1CA20
				4	3NP1124-1CA20
160 ²⁾	00	000,00	Flat	1	3NP1131-1CA10
				3	3NP1133-1CA10
				4	3NP1134-1CA10
250 ²⁾	1	00,1	Flat	1	3NP1141-1DA10
				3	3NP1143-1DA10
				4	3NP1144-1DA10
400 ²⁾	2	1,2	Flat	1	3NP1151-1DA10
				3	3NP1153-1DA10
				4	3NP1154-1DA10
630 ²⁾	3	2,3	Flat	1	3NP1161-1DA10
				3	3NP1163-1DA10
				4	3NP1164-1DA10

3NP1 with Electronic fuse monitoring ³⁾

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles ⁴⁾	Type
100 ¹⁾	000	000	Box	1	3NP1121-1CA24
				3	3NP1123-1CA24
160 ²⁾	00	000,00	Flat	1	3NP1131-1CA14
				3	3NP1133-1CA14
250 ²⁾	1	00,1	Flat	1	3NP1141-1DA14
				3	3NP1143-1DA14
400 ²⁾	2	1,2	Flat	1	3NP1151-1DA14
				3	3NP1153-1DA14
630 ²⁾	3	2,3	Flat	1	3NP1161-1DA14
				3	3NP1163-1DA14



1-pole



3-pole



2-pole



4-pole



1-pole with EFM



3-pole with EFM

1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00 (for 3-pole) and 3NP1921-1BD00 (for 1-pole)
 2) Box type terminals available for higher ratings 3NP1.
 3) EFM voltage range: 1-pole: 24 ... 240 V AC (phase to N) / 24 ... 250 V (L+ to L-); 3-pole: 190 ... 690 V AC (phase to phase) .

Further voltage ranges are available as accessories. EFM needs external 24V DC power supply.
) 2-pole 3NP1 is a combination of 2 nos. 1-pole 3NP1 with assembly kit accessories. Please refer page 43 for assembly kit selection.

Configurator for 3NP1

- Ready-to-install version
- Application specific switches
- Accessories



Load Break Switches

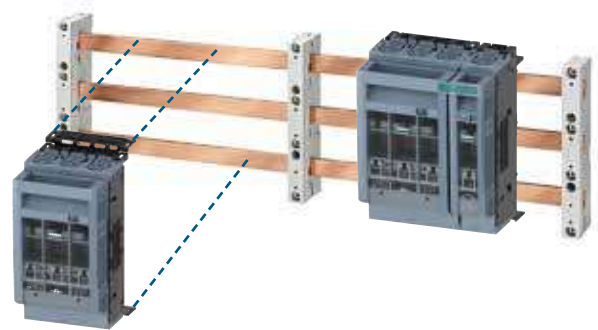
3NP1 mounting on 8US busbar

3NP1 mounting on 60mm 8US busbar system ³⁾

3NP1 without fuse monitoring

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles ⁴⁾	Type
100 ¹⁾	000	000	Box	3	3NP1123-1BC20
				4	3NP1124-1BC20
160 ²⁾	00	00	Flat	3	3NP1133-1BC10
				4	3NP1134-1BC10
250 ²⁾	1	1	Flat	3	3NP1143-1BC10
				4	3NP1144-1BC10
400 ²⁾	2	2	Flat	3	3NP1153-1BC10
				4	3NP1154-1BC10
630 ²⁾	3	3	Flat	3	3NP1163-1BC10
				4	3NP1164-1BC10

8US busbar system



Accessories for 3NP1

Auxillary contact (1CO type)

3NP1 Size	Type
000	3NP1920-1FA00
00	3NP1930-1FA00
1,2,3	3NP1940-1FA00



Feeder terminals for 3NP1 121/ 3 for use up to 160A

3NP1 Size	Terminals type	Poles	Type
000	Box	1	3NP1921-1BD00
		3	3NP1923-1BD00



Assembly kit for connection of 1-pole and 3-pole 3NP1 to form floor mounted 2-pole⁴⁾ and 4-pole 3NP1

3NP1 Size	Type
000	3NP19211EC00
00	3NP19311EC00
1,2,3	3NP19411EC00



Assembly kit for mounting 3NP1 floor type on 8US 60mm busbar system ⁵⁾

3NP1 Size	Terminals type	Poles	Type
000	Box	1	3NP1921-1EE10
00			3NP1931-1EE10



- 1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00 (for 3-pole) and 3NP1921-1BD00 (for 1-pole)
- 2) Box type terminals available for higher ratings 3NP1.
- 3) 3NP1 also available for Rittal RiLine 60 busbar system with base
- 4) 2-pole 3NP1 is a combination of 2 nos. 1-pole 3NP1 with assembly kit accessories.
- 5) Contains all parts for assembly and connection.

POR: Price On Request

Std. Pkg. = 1 unit

* LP - List Price