

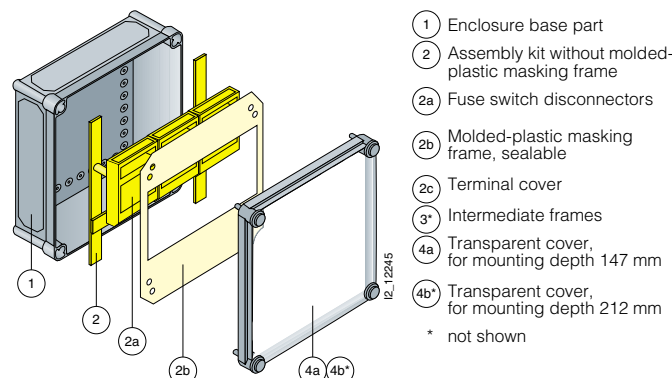
ALPHA 8HP Molded-Plastic Distribution System

Single Enclosures

Enclosures with fuse switch disconnectors, 160 A to 630 A

Overview

- Complete enclosures with integrated fuse switch disconnectors
- Transparent cover with quick-release locking screws.
- Connections:
 - 3NP40 1: Pillar terminal,
 - 3NP4.: Cable lug connection,
 - 3NP52: Terminal clamp
 - 3NP53: M10 terminal screws.
- For fuse switch disconnectors, please refer to Catalog LV 1 "Switching and Protecting with SENTRON – Switch Disconnectors". For LV HRC fuse links, please refer to Catalog ET B1.



Enclosure size	Rated current	Rated operational current	Size of fuse switch disconnectors/ Connection: Main conductor; N/PE conductor	Complete enclosure (Supplied without molded-plastic masking frame and as individual components)	Individual components	Molded-plastic masking frame not included in the type number "complete enclosures". Order separately if required.
	I_n A	I_e A		Type	Image	Type
1	160	145	1 × NH000 up to 50 mm ² , N/PE ¹⁾	8HP2 437	1 2 2a 2b 4a	8HP1 101 8HP5 413 3NP40 10-0CH01 ⁵⁾ 8HP6 431 8HP1 221
			1 × NH00 up to 50 mm ² , N/PE ²⁾	8HP2 438	1 2 2a 2b 4a	8HP1 101 8HP5 411 3NP40 70-0CH01 8HP6 422 8HP1 221
			2 × NH000 up to 50 mm ² , N/PE ¹⁾	8HP2 440	1 2 2a 2b 4a	8HP1 102 8HP5 414 2 × 3NP40 10-0CH01 ⁵⁾ 8HP6 432 8HP1 222
			3 × NH000 up to 50 mm ² , N/PE ¹⁾	8HP2 441	1 2 2a 2b 4a	8HP1 102 8HP5 414 3 × 3NP40 10-0CH01 ⁵⁾ 8HP6 432 8HP1 222
2	160	145	1 × NH00 up to 50 mm ² , N/PE ³⁾	8HP2 442	1 2 2a 2b 4a	8HP1 102 8HP5 415 3NP40 70-0CH01 8HP6 423 8HP1 222
			2 × NH00 up to 50 mm ² , N/PE ³⁾	8HP2 443	1 2 2a 2b 4a	8HP1 102 8HP5 415 2 × 3NP40 70-0CH01 8HP6 424 8HP1 222
		160	1 × NH00 up to 50 mm ² , N/PE ³⁾	8HP2 405	1 2 2a 2b 4a	8HP1 102 8HP5 415 3NP50 60-0CB00 8HP6 404 8HP1 222
			1 × NH1 up to 120 mm ² , N/PE ²⁾	8HP2 410	1 2 2a 2b 4b	8HP1 102 8HP5 422 3NP52 60-OCA00 8HP6 406 8HP1 232
	250	225	1 × NH1 up to 120 mm ² , N/PE ⁴⁾	8HP2 444	1 2 2a 2b 4a	8HP1 102 8HP5 421 3NP42 70-OCA01 ⁶⁾ 8HP6 427 8HP1 222
			1 × NH2 up to 240 mm ² , N/PE ²⁾	8HP2 414	1 2 2a 2b 4b	8HP1 102 8HP5 422 3NP53 60-OCA00 8HP6 406 8HP1 232
		360	1 × NH2 up to 240 mm ² , N/PE ²⁾	8HP2 414	1 2 2a 2b 4b	8HP1 102 8HP5 422 3NP53 60-OCA00 8HP6 406 8HP1 232
			1 × NH2 up to 240 mm ² , N/PE ²⁾	8HP2 414	1 2 2a 2b 4b	8HP1 102 8HP5 422 3NP53 60-OCA00 8HP6 406 8HP1 232
	400	360	1 × NH2 up to 240 mm ² , N/PE ²⁾	8HP2 414	1 2 2a 2b 4b	8HP1 102 8HP5 422 3NP53 60-OCA00 8HP6 406 8HP1 232
			1 × NH2 up to 240 mm ² , N/PE ²⁾	8HP2 414	1 2 2a 2b 4b	8HP1 102 8HP5 422 3NP53 60-OCA00 8HP6 406 8HP1 232

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160 A to 630 A

Enclosure size	Rated current	Rated operational current	Size of fuse switch disconnectors/ Connection: Main conductor; N/PE conductor	Complete enclosure (Supplied without molded-plastic masking frame and as individual components)	Individual components	Molded-plastic masking frame not included in the type number "complete enclosures". Order separately if required.		
	I_n A	I_e A		Type	Image	Type		
2.5	160	145	1 × NH00 up to 50 mm ² , N/PE ³⁾	8HP2 445	1	8HP1 107		
					2	8HP5 415		
					2a	3NP40 10-0CH01		
					2b	8HP6 423		
					4a	8HP1 227		
		2 × NH00 up to 50 mm ² , N/PE ³⁾	8HP2 446	1	8HP1 107			
				2	8HP5 415			
				2a	2 × 3NP40 70-0CH01			
				2b	8HP6 424			
				4a	8HP1 227			
	160	1 × NH00 up to 50 mm ² , N/PE ³⁾	8HP2 426	1	8HP1 107			
				2	8HP5 415			
2a				3NP50 60-0CB00				
2b				8HP6 404				
4a				8HP1 227				
250	225	1 × NH1 up to 120 mm ² , N/PE ⁴⁾	8HP2 447	1	8HP1 107			
				2	8HP5 421			
3	250	250	1 × NH1 up to 120 mm ² , N/PE ²⁾	8HP2 411	2a	3NP42 70-0CA01 ⁶⁾		
					2b	8HP6 427		
					4a	8HP1 227		
					1 × NH1 up to 120 mm ² , N/PE ⁷⁾	8HP2 448	1	8HP1 103
							2	8HP5 422
		2a	3NP52 60-0CA00					
		1 × NH1 up to 120 mm ² , N/PE ⁷⁾	8HP2 412	1	8HP1 103			
				2	8HP5 423			
				2a	3NP42 70-0CA01 ⁶⁾			
				2b	8HP6 428			
	4a			8HP1 223				
	400	400	1 × NH2 up to 240 mm ² , N/PE ²⁾	8HP2 415	1	8HP1 103		
2					8HP5 423			
2a					3NP53 60-0CA00			
2b					8HP6 406 or 3TX6 546-3B			
2c					3TX6 546-3B			
1 × NH2 up to 240 mm ² , N/PE ⁷⁾	8HP2 416	3	8HP1 283					
		4b	8HP1 223					
		630	600	1 × NH3 up to 2 × 240 mm ² , N/PE ⁷⁾	8HP2 417	1	8HP1 103	
						2	8HP5 424	
						2a	3NP54 60-0CA00	
2c	3TX6 546-3B							
3	8HP1 283							
4b	8HP1 223							

Footnotes for pages 7/14 and 7/15:

- 1) For a 4th and 5th conductor, 8WA1 205 terminals or 8GF9 318-2 holders can be installed for 2 Cu bars, 6 mm × 6 mm.
- 2) N/PE conductors must be passed through uncut.
- 3) For a 4th and 5th conductor, 8WA1 205 terminals, 50 mm² can be installed.
- 4) Installation facility for 2 PEN 8WA1 206 terminals, 95 mm².

- 5) Fuses with max. 21 mm width (according to IEC 269-2-1 and DIN 43620). For 125 A and 160 A fuses and feeder terminals up to 95 mm², please refer to Catalog LV 1 "Switching and Protecting with SENTRON - Switch Disconnectors".
- 6) Without 3NY7 120 terminal clamps, please refer to accessories, page 7/31.
- 7) Installation facility for 8JK4 04 terminal.