

Article-No. supplements for 1PH808/1PH810/1PH813/1PH816 motors

Description	(Position of Article-No.)																			
	1	2	3	4	5	6	7	-	8	9	10	11	12	-	13	14	15	16	-	Z
1 P H 8																				
Shaft height 80					0	8														
Shaft height 100					1	0														
Shaft height 132					1	3														
Shaft height 160					1	6														
Overall length (not selectable, determined by the choice of rated power)																				
Asynchronous variant																				
Synchronous variant (1PH813/1PH816)																				
Asynchronous variant with holding brake ¹⁵⁾																				
Synchronous variant with holding brake (1PH813/1PH816) ¹⁵⁾																				
Encoder systems																				
for motors <u>without</u>																				
DRIVE-CLiQ-interface																				
without encoder ¹⁾																				
Absolute encoder EnDat 2048 S/R (encoder AM2048S/R) ²⁾																				
Incremental encoder HTL 1024 S/R (encoder HTL1024S/R) ^{1) 3)}																				
Incremental encoder HTL 2048 S/R (encoder HTL2048S/R) ^{1) 4)}																				
Incremental encoder sin/cos 1 V _{pp} 2048 S/R with C- and D-tracks (encoder IC2048S/R) ²⁾																				
Incremental encoder sin/cos 1 V _{pp} 512 S/R without C- und D-tracks (encoder IN512S/R) ^{1) 5)}																				
Incremental encoder sin/cos 1 V _{pp} 256 S/R without C- und D-tracks (encoder IN256S/R) ^{1) 10)}																				
Encoder systems																				
for motors <u>with</u>																				
DRIVE-CLiQ-interface																				
Absolute encoder 22 bit single-turn + 12 bit multi-turn (encoder AM22DQ) ²⁾																				
Incremental encoder 22 bit with commutation position (encoder IC22DQ) ²⁾																				
Incremental encoder 20 bit without commutation position (encoder IN20DQ) ^{1) 5)}																				
Incremental encoder 19 bit without commutation position (encoder IN19DQ) ^{1) 10)}																				
Winding design																				
Rated speeds																				
(3 AC 380 V bis 480 V)																				
400 rpm, 500 rpm, 600 rpm																				
1000 rpm, 1150 rpm, 1350 rpm																				
1500 rpm, 1750 rpm, 2000 rpm																				
2000 rpm, 2300 rpm, 2650 rpm																				
2500 rpm, 2800 rpm, 3000 rpm																				
3000 rpm, 3300 rpm, 3600 rpm																				
4500 rpm, 5000 rpm, 5500 rpm																				
Star/delta winding ¹⁾																				
(3 AC 380 V bis 480 V)																				
1500/4000 rpm, 2000/5000 rpm, 2500/6000 rpm																				
Cooling																				
Forced ventilation DE -> NDE																				
(degree of protection IP 55)																				
Forced ventilation NDE -> DE																				
(degree of protection IP 55)																				
Water cooling																				
(degree of protection IP 65)																				
Type of construction																				
IM B3 (IM V5, IM V6)																				
IM B5 (IM V1, IM V3) ¹⁴⁾																				
IM B35 (IM V15, IM V35) ⁶⁾																				
Shaft extension (DE)																				
Balancing																				
Plain shaft																				
—																				
Feather key ¹¹⁾																				
Full-key																				
Feather key ¹¹⁾																				
Half-key																				
Hollow shaft ^{1) 10)}																				
—																				
Bearing																				
Vibration severity acc. to Siemens/EN 60034-14																				
Shaft and flange accuracy																				
Standard with locating bearing ¹⁶⁾																				
R/A																				
R																				
Standard with locating bearing ¹⁶⁾																				
S/A																				
R																				
Standard with locating bearing ^{1) 16)}																				
SR/A																				
R																				
Standard ¹⁶⁾																				
R/A																				
R																				
Standard ¹⁶⁾																				
S/A																				
R																				
Increased radial forces ¹⁶⁾																				
R/A																				
R																				
Performance ⁷⁾																				
SPECIAL/B																				
SPECIAL																				
High Performance ¹³⁾																				
SPECIAL/B																				
SPECIAL																				
Advanced Lifetime ^{8) 16)}																				
S/A																				
R																				
Cable connection																				
Cable entry																				
Signal connection																				
(view of DE)																				
Terminal box (Top)																				
Right																				
DE																				
Terminal box (Top)																				
Left																				
DE																				
Terminal box (Top)																				
NDE																				
Left																				
Terminal box (Top) ¹⁷⁾																				
DE																				
Left																				
Power connector (Top) ^{9) 12)}																				
Right																				
DE																				
Power connector (Top) ^{9) 12)}																				
Left																				
DE																				
Power connector (Top) ^{9) 12)}																				
NDE																				
Left																				
Power connector (Top) ^{9) 12)}																				
DE																				
Left																				
Version status																				
1																				
Special versions (order codes are required for options)																				
Z																				

NEW

- 1) only possible with 8th position of article-no. 1 (asynchronous variant)
- 2) limited to n_{max} = 12.000 rpm
- 3) limited to n_{max} = 9.000 rpm
- 4) limited to n_{max} = 4.600 rpm
- 5) limited to n_{max} = 15.000 rpm
- 6) only possible with 1PH810 to 1PH816
- 7) only possible with 8th position of article-no. 1 (asynchronous variant)
 - 1PH808: limited to n_{max} = 15.000 rpm
 - 1PH810: limited to n_{max} = 12.000 rpm
 - 1PH813: limited to n_{max} = 10.000 rpm
 - 1PH816: limited to n_{max} = 9.000 rpm ; not possible with 12th position of article-no. 2 (IM B5)
- 8) limited to n_{max} = 5.000 rpm, 1PH813: n_{max} = 4.500 rpm, 1PH816: n_{max} = 4.000 rpm
- 9) with 1PH810, power connector is only possible up to a maximum static current of I₀ = 36 A. with 1PH813, power connector is only possible up to a maximum static current of I₀ = 85 A not possible for 1PH816.
- 10) possible for 14th position of article-no. L or M and 9th position of article-no. C or S
- 11) not possible for 14th position of article-no. M
- 12) not possible for star/delta winding
- 13) only possible with 8th position of article-no. 1 (asynchronous variant)
 - 1PH808: limited to n_{max} = 20.000 rpm
 - 1PH810: limited to n_{max} = 18.000 rpm
 - 1PH813: limited to n_{max} = 15.000 rpm
 - 1PH816: limited to n_{max} = 10.000 rpm ; not possible with 12th position of article-no. 2 (IM B5)
- 14) not possible for 1PH816 and 14th position of article-no. L or M
- 15) The type of holding brake must be ordered with U-option (for ordering data see article-no. supplements for 1PH8 with holding brake)
- 16) not possible for 9th position of article-no. T or U
- 17) not possible for 1PH816 and 8th position of article-no. 2 or 4 (synchronous variant)