



RS NUMBER: 1805290
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Characteristics

STEP ANGLE
 1,8°

STEP ANGLE ACCURACY
 ± 5%

INSULATION CLASS
 B

AMBIENT TEMPERATURE
 -20°C +50°C

TEMP. RISE
 80°C MAX (RATED CURRENT, 2 PHASE ON)

INSULATION RESISTANCE
 100 M OHM MIN. 500 VDC

DIELECTRIC STRENGTH
 820 VAC FOR ONE MINUTE

SHAFT RADIAL PLAY
 0,02 MAX (450 G LOAD)

SHAFT AXIAL PLAY
 0,08 MAX. (450 G LOAD)

MAX RADIAL FORCE
 220 N (20 MM FROM FRONT FLANGE)

MAX AXIAL FORCE
 60 N

Connection

LEAD N°	COLOR	GAUGE	FUNCTION
1	ORANGE	UL3266 AWG20	PHASE A
2	ORANGE/WHITE	UL3266 AWG20	PHASE A-
3	BLACK/WHITE	UL3266 AWG20	PHASE C-
4	BLACK	UL3266 AWG20	PHASE C
5	RED	UL3266 AWG20	PHASE B
6	RED/WHITE	UL3266 AWG20	PHASE B-
7	YELLOW/WHITE	UL3266 AWG20	PHASE D-
8	YELLOW	UL3266 AWG20	PHASE D

Specification RS n° 1805290

1805291

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Model	1805290			1805291			1805292		
	UNIPOLAR	PARALLEL	SERIES	UNIPOLAR	PARALLEL	SERIES	UNIPOLAR	PARALLEL	SERIES
1 RATED VOLTAGE V	3,64	2,54	5	4,76	2,54	6,6	4,97	3,47	6,95
2 CURRENT/PHASE A	2,8	3,92	1,96	2,8	3,92	1,96	3,5	4,9	2,45
3 RESISTANCE/PHASE Ω	1,3	0,65	2,6	1,7	0,85	3,4	1,42	0,71	2,84
4 INDUCTANCE/PHASE MH	5,1	5,1	20,4	7,7	7,7	30,8	7,9	7,9	31,6
5 HOLDING TORQUE NM	2,3	2,8	2,8	3,8	4,8	4,8	6,2	7,6	7,6
6 ROTOR INERTIA g·CM ²		660			1200			1800	
7 WEIGHT KG		1,6			2,4			3,6	
8 NUMBER OF LEADS N°		8			8			8	
9 LENGTH MM		67			94			125	

Speed vs. Torque Characteristics

