

E330 VAR 05 / VAR 15

Electro-Magnetic Toothed Clutch

Characteristics

- Electrically operated 103,5/48 or 207/103,5 VDC depending size
- Toothed clutch
- Activated by spring pressure

Utilisation

- Coupling of two shafts in line
- Coupling has to be made at standstill or at very low speed, in case of doubt consult the factory
- Destined for remain connected long periods

Particularities

- This device works with two voltages: one for disengagement, one for position maintain
- Positive coupling for drive without slipping
- Option : detection disc allows the coupling position to be validated, see E330 VAR504 page 47
- Fixed inductor mounted on ball bearings
- Sealed bearings
- Equipped with an elastic coupling

Adjustments

- No wear adjustment required

Maintenance Manual

- SM 310

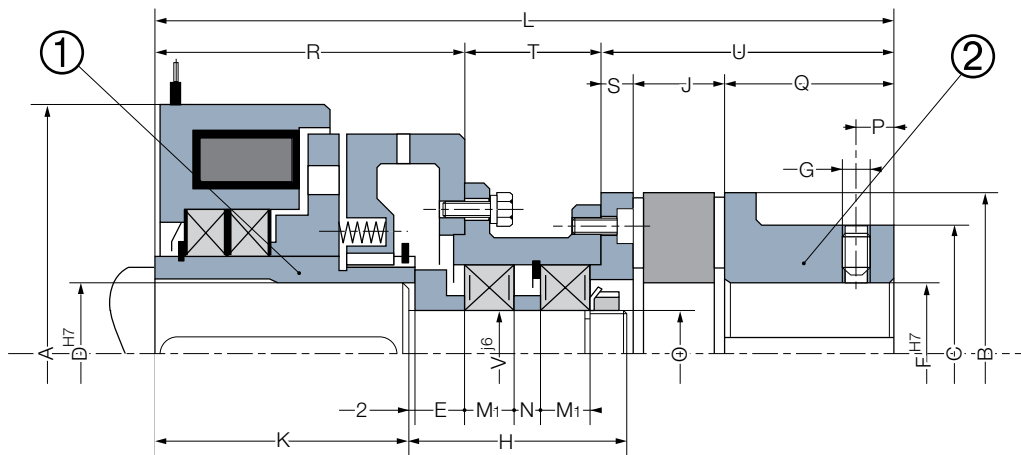
Mounting Precautions

- The anti-rotation device of the electromagnet shall be inserted in anti rotation slot, with a side play of 0,5 mm and a 1 mm play to the bottom. This avoids a normal stress on the ball-bearings.
- It is forbidden to use in case of vibrations
- Device intended for horizontal use; for vertical use, please consult the factory

Power Supply CBC 140-5

- Overexcitation delay: 0,5 s (size 50) to 2 s (size 6400)

Electro-Magnetic Toothed Clutch



Sizes		50*	100	200	400	800	1600	3200	6400
Nom. Torque	[Nm]	50	100	200	400	800	1600	3200	6400
Coupling		28/38	38	42	55	75	90	110	140
Max. Speed	[min. ⁻¹]	4300	3600	3300	2600	2000	1800	1450	1200
U pull in / holding	[VDC]	103,5/48	103,5/48	103,5/48	103,5/48	103,5/48	103,5/48	207/103,5	207/103,5
Power pull in	P20 [W]	108	170	182	311	330	373	640	920
Holding	P20 [W]	20,5	32,4	34,6	59	63	71	160	230
	A	100	115	125	153	202	245	290	350
	B	65	80	95	120	160	200	255	320
	C	65	66	75	98	135	160	200	255
	D** min	20	20	25	35	40	48	70	85
	D** max	30	38	42	55	70	80	95	110
	E	9	8	8	7	10	11	21	21
	F min	10	12	14	20	30	40	60	60
	F max	40	38	42	55	75	90	125	160
	G	M8	M8	M8	M10	M10	M12	M12	M12
	H	34	54	57	66	82	100	109	118
	J	20	24	26	30	40	45	55	65
	K	49	53	55	69	88	128	158	196
	L	149	181	191	235	302	384	460	555
	M1	12	14	15	17	23	25	63,5	68,3
	N	-	7	7	12	12	24	-	-
	O	-	M20X1	M25X1,5	M35X1,5	M40X1,5	M45X1,5	M70X2	M80X2
	P	10	10	10	20	20	30	30	30
	Q	35	45	50	65	85	100	120	155
	R	58	63	65	80	100	145	165	200
	S	7	8	10	13	16	19	24	31
	T	29	41	40	47	61	75	96	104
	U	62	77	86	108	141	164	199	251
	V	20	20	25	35	40	45	70	80
Inertia	① [kgm ²]	0,00100	0,0016	0,0027	0,0087	0,033	0,0845	0,2212	0,565
Inertia	② [kgm ²]	0,00107	0,00293	0,0055	0,0196	0,150	0,162	0,522	1,220
Weight	[kg]	3,6	6	8	17,2	35	61,5	108,3	170
Connection		Leads				Cable			

**Direct Drive
with Flexible
Coupling**

Keyways according to ISO R773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9
 * For size 50, bearings are located axially by washer and screw (instead of threaded nut)
 ** Mandatory delivered with finished bores

Connector Options
 (Delivered without cable)
 2 poles, capacity :
 0,5/2,5mm²

