SFM VAR 00

Electro-Magnetic Single Disc Clutch

Characteristics
- Electrically operated 12, 24, 103,5 VDC
- Single friction face
- Activated by power on

Utilisation
- Coupling of a pulley or a shaft

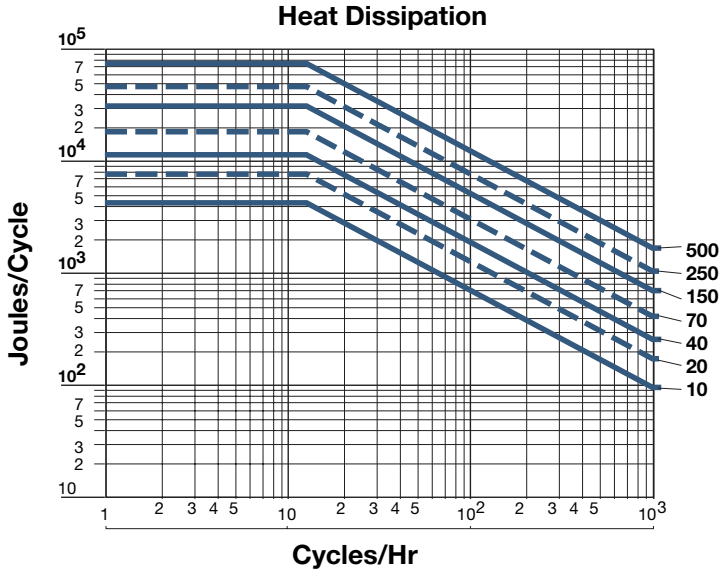
Particularities
- No backlash
- For dry use
- No residual torque in disengaged position
- Fixed OM inductor

Adjustments
- Airgap “P” should be adjusted at installation
- Requires wear compensation

Maintenance Manual
- SM 304

Mounting Precautions
- Centre the inductor
- Observe dimension “M”
- Device intended for horizontal or vertical use

Power Supply
- For 24 volts versions only :
  CBC 400–24 - CBC 450–24
  CBC 500–24 - CBC 550–24
  CBC 700 (overexcitation)
  CBC 140–5 + CBC 140–T (24V)
  CBC 140–5 (103,5V)



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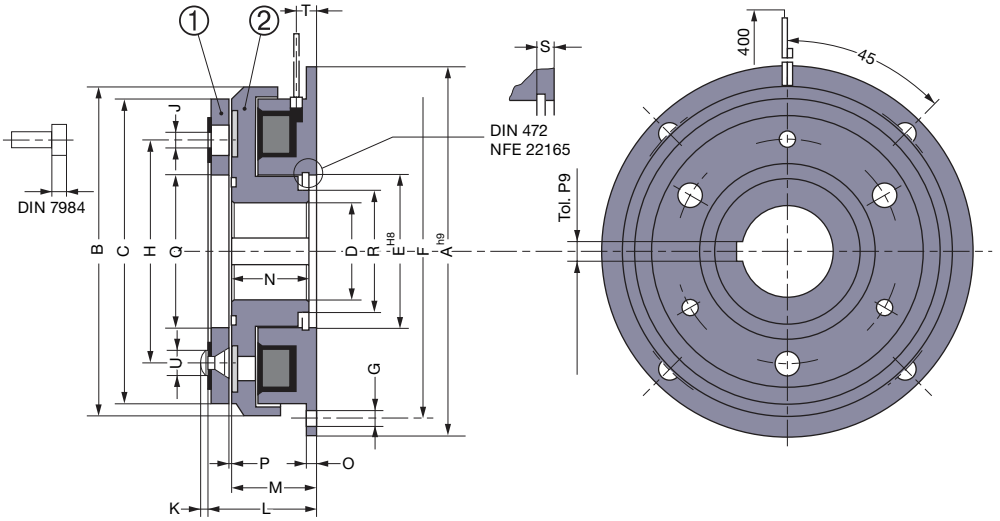

EUROstandard
Indirect Drive

Sizes			10	20	40	70	150	250	500
Nom. Torque		[Nm]	7	15	30	60	120	250	500
Max. Speed		[min^{-1}]	8000	6000	5000	4000	3000	3000	2000
Power	P20[U=12/24/103,5V]	[W]	12,5	17	27	31	44	59	83
	A		80	100	125	150	190	230	290
	B		68	86	107	134	170	213	267
	C		63	80	100	125	160	200	250
	D min		10H8	10H8	14H8	14H7	20H7	25H7	25H7
	D Std		10/15/17	10/17/20	20/25/30	25/30/35	30/40/45	40/50/60	50/60/80
	D max		17H8	22H8	30H8	40H7	50H7	65H7	80H7
	E		35	42	52	62	80	100	125
	F		72	90	112	137	175	215	270
	G For screw		4xM4	4xM5	4xM6	4xM6	4xM8	4xM8	4xM10
	H		46	60	76	95	120	158	210
	J (1) For screw		3xM3	3xM4	3xM5	3xM6	3xM8	3xM10	4xM12
	K		1,5	1,5	2,5	3	3	3	5
	L		28	31	36	40,5	46,5	55,5	64
	M		24	26,5	30	33,5	37,5	44	51
	N		22	24	27	30	34	40	47
	O		2	2,5	3	3,5	4	5	6
	P		0,2	0,2	0,2	0,3	0,3	0,5	0,5
	Q		35	41	52	62	80	100	125
	R		23	28,5	40	45	64	77	100
	S		3,5	4,3	5	5,5	6	7	8
	T		5,6	6,5	9	9,5	11	10	12
	U		6	6	10	12	12	17	20
Inertia	❶	[kgm^2]	0,00004	0,00012	0,0005	0,0013	0,0049	0,0140	0,0360
Inertia	❷	[kgm^2]	0,00011	0,00027	0,0008	0,0022	0,0065	0,0195	0,0550
Weight		[kg]	0,5	0,9	1,7	3	5,5	10	18,5
Connection			**Leads**			**Cable**			

Connector Options

(Delivered without cable)
2 poles, capacity : 0,5/2,5mm^2

Keyway according to ISO R773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9 (1) Armature, Fixing “J” by screws DIN7984 (not provided)