



Size	Max. Nominal braking torque (Nm)	a (+0,2)	b	ød H7	ød2 (h8)	ød3	ød4
FDX 26	250 / 375*)	0,5	24,5	40/45/50/55**	294	130	204
FDX 30	500 / 850*)	0,5	22,5	50/55/60/65**	342	180	255
FDX 40	1000 / 1500*)	0,6	22	65/70/75/80**	436	258	330

Size	øe (±0,1)	h	k (6 x 60°)	m	t	u	w1	w2	w3	w4	z
FDX 26	230	116	M10	40	306	159	16°	29°	16,5°	35,5°	320
FDX 30	278	122	M10	50	330	183	15°	25°	12,5°	28,5°	367
FDX 40	360	138	M12	70	377	230	8,5°	16,5°	14°	12°	463

Dimensions in mm, Standard keyway in accordance with DIN 6885/1 - JS9

*) Holding brake, **) Keyway in accordance with DIN 6885/3 - JS9

Brake / Construction Type	Electro-magnetic released Fail-Safe Spring Applied Brake		
Name / Type	FDX 26	FDX 30	FDX 40
Version	Standard		
Protection Class	IP 67		
Max. ON Time	100%		
Ambient Temperature	-40 bis +40°C		
Max. Nominal Braking Torque (M _b) (Working Brake / Holding Brake)	250 / 375 Nm	500 / 850 Nm	1000 / 1500 Nm
Braking Torque during operation (deviation from M _b)	Static breaking torque: MbStat = Mb -10% / +30% Dynamic breaking torque: MbDyn = Mb ±20%		
Weight	30 kg	45 kg	80 kg
Moment of Inertia (rotor and hub)	6,65 x 10 ⁻³ kgm ²	19,5 x 10 ⁻³ kgm ²	44,5 x 10 ⁻³ kgm ²
Max. Speed (Working Brake / Holding Brake)	3000 / 6000 min ⁻¹		
Input Voltage	400 V AC		
Coil Voltage	180 V DC *)		
Max. Power (P, Release / Hold)	*) : 560 / 140 W	*) : 880 / 220 W	*) : 1080 / 270 W
Life Time Friction Work until rotor exchange	2,8 x 10 ⁹ J	3,7 x 10 ⁹ J	4,0 x 10 ⁹ J
Air Gap Setting brand-new brake	0,5 +0,2 mm	0,5 +0,2 mm	0,6 +0,2 mm
Air Gap maximum	1,9 mm	1,9 mm	1,7 mm
Braking Time DC / AC (=> DC-connected / AC-connected **)	40 ms **) / 600 ms	60 ms **) / 800 ms	160 ms **) / 3 s
Release Time ***)	160 ms *)	140 ms *)	320 ms *)
Dimensions	See table on the left and data sheet M98-080		
Rectifier PMG 480	See data sheet T90-156		

Options:

Sensor / Micro switch data in acc. to T90-322 resp. T90-323	Sensor: 10...36 V DC / 200 mA Micro switch: Ue 230 V Ie 0,5 A // Ue 24 V Ie 0,6 A (Utilization category in acc. to EN 60947-5-1)		
Heating data	230 V AC / 70 W	230 V AC / 128 W	230 V AC / 180 W

*) operated with rectifier PMG 480 at 20°C

**) new air gap setting and operated with rectifier PMG 480

***) the listed Braking Times and Release Times are average values (deviation ±30%)