

Brake AB 20 24 VDC, 0.1 Nm



Important Information

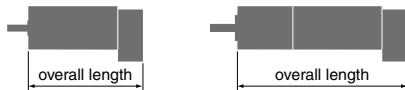
- Permanent magnet – single-face brake for DC (dry operation). Braking in unpowered condition.
- Holding brake, prevents rotation of the shaft at standstill or with turned off motor power.
- Not suitable for dynamic braking.

- Stock program
- Standard program
- Special program (on request)

Part Numbers

301212 301213

Type



maxon Modular System

+ Motor	Page	+ Gearhead	Page	+ Sensor	Page	∅ AB [mm]	Overall length [mm] / • see Gearhead
EC-max 22, 12 W	222					22	67.8
EC-max 22, 12 W	222	GP 22, 0.5 - 3.4 Nm	336/337			22	•
EC-max 22, 12 W	222	KD 32	352			22	•
EC-max 22, 12 W	222	GP 22 S	372/373			22	•
EC-max 22, 25 W	223					22	84.2
EC-max 22, 25 W	223	GP 22, 0.5 - 3.4 Nm	337			22	•
EC-max 22, 25 W	223	GP 32, 1 - 6 Nm	347			22	•
EC-max 22, 25 W	223	KD 32	352			22	•
EC-max 22, 25 W	223	GP 32 S	374-378			22	•
EC-max 30, 40 W	224					30	77.6
EC-max 30, 40 W	224	GP 32, 1.0 - 8.0 Nm	347/350			30	•
EC-max 30, 40 W	224	KD 32, 1.0 - 4.5 Nm	352			30	•
EC-max 30, 40 W	224	GP 32 S	374-378			30	•
EC-max 30, 40 W	224			HEDL 5540	432	30	98.4
EC-max 30, 40 W	224	GP 32, 1.0 - 8.0 Nm	347/350	HEDL 5540	432	30	•
EC-max 30, 40 W	224	KD 32, 1.0 - 4.5 Nm	352	HEDL 5540	432	30	•
EC-max 30, 40 W	224	GP 32 S	374-378	HEDL 5540	432	30	•
EC-max 30, 60 W	225					30	99.6
EC-max 30, 60 W	225	GP 32, 1.0 - 8.0 Nm	347/350			30	•
EC-max 30, 60 W	225	KD 32, 1.0 - 4.5 Nm	352			30	•
EC-max 30, 60 W	225	GP 42, 3 - 15 Nm	355			30	•
EC-max 30, 60 W	225			HEDL 5540	432	30	120.4
EC-max 30, 60 W	225	GP 32, 1.0 - 8.0 Nm	347/350	HEDL 5540	432	30	•
EC-max 30, 60 W	225	KD 32, 1.0 - 4.5 Nm	352	HEDL 5540	433	30	•
EC-max 30, 60 W	225	GP 42, 3 - 15 Nm	355	HEDL 5540	432	30	•
EC-4pole 30, 100 W	233					30	83.2
EC-4pole 30, 100 W	233	GP 32, 0.4 - 8.0 Nm	350			30	•
EC-4pole 30, 100 W	233	GP 42, 3 - 15 Nm	355			30	•
EC-4pole 30, 100 W	233			HEDL 5540	433	30	104
EC-4pole 30, 100 W	233	GP 32, 0.4 - 8.0 Nm	350	HEDL 5540	433	30	•
EC-4pole 30, 100 W	233	GP 42, 3 - 15 Nm	355	HEDL 5540	433	30	•
EC-4pole 30, 200 W	235					30	100.2
EC-4pole 30, 200 W	235	GP 32, 0.4 - 8.0 Nm	350			30	•
EC-4pole 30, 200 W	235	GP 42, 3 - 15 Nm	355			30	•
EC-4pole 30, 200 W	235			HEDL 5540	433	30	121
EC-4pole 30, 200 W	235	GP 32, 0.4 - 8.0 Nm	350	HEDL 5540	433	30	•
EC-4pole 30, 200 W	235	GP 42, 3 - 15 Nm	355	HEDL 5540	433	30	•

Technical Data

Max. permissible static torque at 20°C	0.1 Nm	Nominal voltage, smoothed	24 VDC ±10%	Pin Allocation	Cable (AWG 26)	Designation
Mass inertia	1.8 gcm ²	Resistance	R ₂₀ = 227 Ω ±6%			
Max. speed	49000 rpm	Duty cycle	100%	red	U _{Brake} + 24 VDC	
Weight	29 g	Reaction time	≤ 12 ms	blue	U _{Brake} GND	
Ambient temperature range	-40...+100°C	- Coupling	≤ 6 ms	Min. cable length		350 mm
		- Opening				