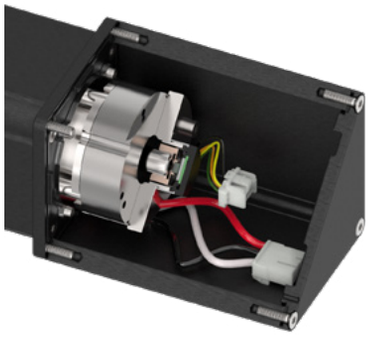
Brake AB 42 S 24 VDC, 1.4 Nm



Important Information

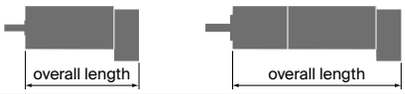
- Spring-loaded brake - single-disc brake with two friction surfaces for direct current. Braked in unpowered condition (dry operation).
- Holding brake, prevents rotation of the shaft at standstill or with turned off motor power.
- Not suitable for dynamic braking.
- Not backlash-free (±1° max.).

Stock program
Standard program
Special program (on request)

Part Numbers

x drives

Type



maxon Modular System

+ Drive	Page	+ Gearhead	Page	+ Sensor	Page	Overall length [mm] / • see Gearhead
IDX 56 S	357					online
IDX 56 S	357	GPX 52	404/405			online
IDX 56 M	358					online
IDX 56 M	358	GPX 52	404/405			online
IDX 56 L	359					online
IDX 56 L	359	GPX 52	404/405			online

+ Motor	Page	+ Gearhead	Page	+ Sensor	Page	Overall length [mm] / • see Gearhead
IDX 56 S	245					online
IDX 56 S	245	GPX 52	404/405			online
IDX 56 M	246					online
IDX 56 M	246	GPX 52	404/405			online
IDX 56 L	247					online
IDX 56 L	247	GPX 52	404/405			online

Technical Data

Max. permissible static torque at 20°C	1.4 Nm	Nominal voltage, smoothed		24 VDC -10 ... +5%
Mass inertia	6.1 gcm²	Resistance		R_{20} = 82.6 Ω +10%
Max. speed	8000 rpm	Duty cycle		100%
Weight	0.14 kg	Reaction time	– Coupling	≤ 30 ms
Ambient temperature range	-40...+120°C		– Opening	≤ 85 ms

Pin Allocation

online

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