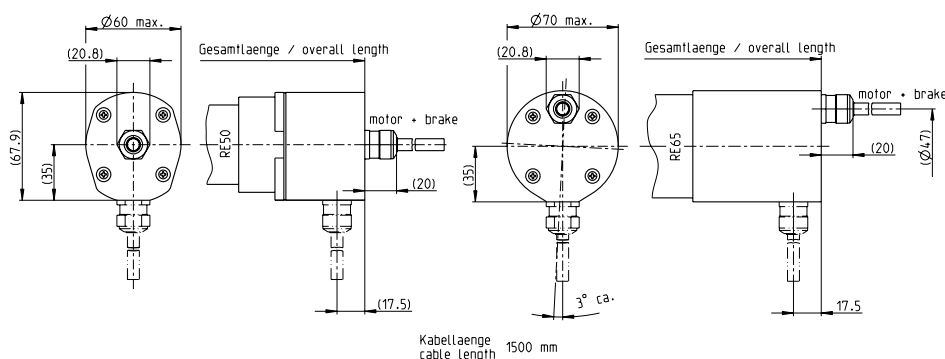


Brake AB 44 24 VDC, 2.5 Nm



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.
- It is possible to lower the voltage applied to the brake after it has been energized, for the purpose of reducing heat loss.
- Protection: IP54

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

Part numbers

Cable output axial
Cable output radial

386052	385999
386054	386000

Type



Modular system

+ Motor	Page	+ Gearhead	Page	+ Sensor	Page	Overall length [mm] / • see Gearhead
RE 50, 200 W	164					170.4
RE 50, 200 W	164	GP 52, 4 - 30 Nm	443-444			•
RE 50, 200 W	164	GP 62, 6,2 - 38.5 Nm	445			•
RE 50, 200 W	164			HEDL 9140	541	183.4
RE 50, 200 W	164	GP 52, 4 - 30 Nm	443-444	HEDL 9140	541	•
RE 50, 200 W	164	GP 62, 6,2 - 38.5 Nm	445	HEDL 9140	541	•
RE 65, 250 W	165					187.5
RE 65, 250 W	165	GP 81, 15.4 - 92.3 Nm	446			•
RE 65, 250 W	165			HEDL 9140	541	205.5
RE 65, 250 W	165	GP 81, 15.4 - 92.3 Nm	446	HEDL 9140	541	•

Technical data

Technical data		AWG designation		Designation
Holding torque	2.5 Nm	Nominal voltage, smoothed	24 VDC $\pm 10\%$	Cable (AWG 18)
Mass inertia	90 gcm ²	Resistance	$R_{20} = 64 \Omega \pm 7\%$	white
Max. speed	10 000 rpm	Duty cycle	100%	brown
Weight	0.19 kg	Reaction time	≤ 20 ms	green
Ambient temperature range	-40...+100°C	- Coupling	≤ 35 ms	yellow
		- Opening		Min. cable length
				1490 mm

Pin allocation

Cable (AWG 18)	Designation
white	Motor+
brown	Motor-
green	U _{Brake} + 24 VDC
yellow	U _{Brake} GND
Min. cable length	1490 mm