Brake AB 28 24 VDC, 0.4 Nm

Important information

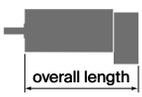
- Permanent magnet – single-face brake for DC (dry operation). Braking in unpowered condition.
- Holding brake, prevents rotation of the shaft at standstill or with turned off motor power.
- Not suitable for dynamic braking.
- It is possible to lower the voltage applied to the brake after it has been energized, for the purpose of reducing heat loss.
- Schematic image: does not necessarily reflect the delivery state.

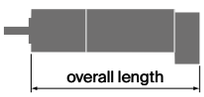
Stock program
Standard program
Special program (on request)

Part numbers

301215

Type





Modular system

+ Motor	Page	+ Gearhead	Page	+ Sensor	Page	∅ AB [mm]	Overall length [mm] / • see Gearhead
EC-max 40, 70 W	286					40	92.4
EC-max 40, 70 W	286	GP 42, 3 - 15 Nm	440–441			40	•
EC-max 40, 70 W	286			HEDL 5540	539	40	110.7
EC-max 40, 70 W	286	GP 42, 3 - 15 Nm	440–441	HEDL 5540	539	40	•
EC-max 40, 120 W	287					40	122.4
EC-max 40, 120 W	287	GP 42, 3.0 - 15.0 Nm	440–441			40	•
EC-max 40, 120 W	287	GP 52, 4 - 30 Nm	444			40	•
EC-max 40, 120 W	287			HEDL 5540	539	40	140.7
EC-max 40, 120 W	287	GP 42, 3.0 - 15.0 Nm	440–441	HEDL 5540	539	40	•
EC-max 40, 120 W	287	GP 52, 4 - 30 Nm	444	HEDL 5540	539	40	•

Technical data

Holding torque	0.4 Nm	Nominal voltage, smoothed		24 VDC ±10%
Mass inertia	10 gcm²	Resistance		R_{20} = 92.5 Ω ±6%
Max. speed	16 000 rpm	Duty cycle		100%
Weight	0.05 kg	Reaction time	– Coupling	≤13 ms
Ambient temperature range	-5...+85°C		– Opening	≤27 ms

Pin allocation

Cable (AWG 26)	Designation
red	U_{Brake} +24 VDC
blue	U_{Brake} GND
Min. cable length	350 mm

Brake AB 28 24 VDC, 0.4 Nm

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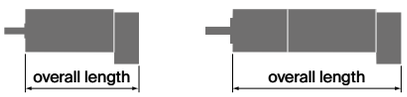
- Schematic image: does not necessarily reflect the delivery state.

Stock program
Standard program
Special program (on request)

Part numbers

228384	228387

Type



Modular system

+ Motor	Page	+ Gearhead	Page	+ Sensor	Page	∅ AB [mm]	Overall length [mm] / • see Gearhead	
RE 25, 20 W	157					40	77.1	
RE 25, 20 W	157	GP 26, 0.75 - 4.5 Nm	425			40	•	
RE 25, 20 W	157	GP 32, 0.75 - 4.5 Nm	426			40	•	
RE 25, 20 W	157	GP 32, 0.75 - 4.5 Nm	427–428			40	•	
RE 25, 20 W	157	GP 32, 1.0 - 6.0 Nm	429/435			40	•	
RE 25, 20 W	157	GP 32 S	474–482			40	•	
RE 25, 20 W	157			HED_5540	535/537	40		94.3
RE 25, 20 W	157	GP 26, 0.75 - 4.5 Nm	425	HED_5540	535/537	40		•
RE 25, 20 W	157	GP 32, 0.75 - 4.5 Nm	426	HED_5540	535/537	40		•
RE 25, 20 W	157	GP 32, 0.75 - 4.5 Nm	427–428	HED_5540	535/537	40		•
RE 25, 20 W	157	GP 32, 1.0 - 6.0 Nm	429/435	HED_5540	535/537	40		•
RE 25, 20 W	157	GP 32 S	474–482	HED_5540	535/537	40		•
RE 25, 20 W	158					40	88.6	
RE 25, 20 W	158	GP 26, 0.75 - 4.5 Nm	425			40	•	
RE 25, 20 W	158	GP 32, 0.75 - 4.5 Nm	426			40	•	
RE 25, 20 W	158	GP 32, 0.75 - 4.5 Nm	427–428			40	•	
RE 25, 20 W	158	GP 32, 1.0 - 6.0 Nm	429/435			40	•	
RE 25, 20 W	158	GP 32 S	474–482			40	•	
RE 25, 20 W	158			HED_5540	535/537	40		105.8
RE 25, 20 W	158	GP 26, 0.75 - 4.5 Nm	425	HED_5540	535/537	40		•
RE 25, 20 W	158	GP 32, 0.4 - 2.0 Nm	426	HED_5540	535/537	40		•
RE 25, 20 W	158	GP 32, 0.75 - 4.5 Nm	427–428	HED_5540	535/537	40		•
RE 25, 20 W	158	GP 32, 1.0 - 6.0 Nm	429/435	HED_5540	535/537	40		•
RE 25, 20 W	158	GP 32 S	474–482	HED_5540	535/537	40		•
RE 35, 90 W	161					40	107.1	
RE 35, 90 W	161	GP 32, 0.75 - 6.0 Nm	426–431			40	•	
RE 35, 90 W	161	GP 32, 4.0 - 8.0 Nm	432–433			40	•	
RE 35, 90 W	161	GP 42, 3 - 15 Nm	439–441			40	•	
RE 35, 90 W	161			HED_5540	535/537	40		124.3
RE 35, 90 W	161	GP 32, 0.75 - 6.0 Nm	426–431	HED_5540	535/537	40		•
RE 35, 90 W	161	GP 32, 4.0 - 8.0 Nm	432–433	HED_5540	535/537	40		•
RE 35, 90 W	161	GP 42, 3 - 15 Nm	439–441	HED_5540	535/537	40		•
RE 35, 90 W	161	GP 32 S	474–482			40	•	
RE 35, 90 W	161	GP 32 S	474–482	HED_5540	535/537	40		•
RE 40, 150 W	163					45	107.1	
RE 40, 150 W	163	GP 42, 3 - 15 Nm	439–441			45	•	
RE 40, 150 W	163	GP 52, 4 - 30 Nm	443–444			45	•	
RE 40, 150 W	163			HED_5540	535/538	45		124.3
RE 40, 150 W	163	GP 42, 3 - 15 Nm	439–441	HED_5540	535/538	45		•
RE 40, 150 W	163	GP 52, 4 - 30 Nm	443–444	HED_5540	535/538	45		•

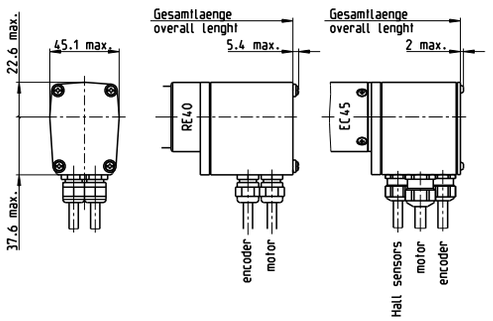
Technical data

Holding torque	0.4 Nm	Nominal voltage, smoothed		24 VDC ±10%	
Mass inertia	10 gcm²	Resistance		R_{20} = 92.5 Ω ±6%	
Max. speed	16 000 rpm	Duty cycle		100%	
Weight	0.05 kg	Reaction time	– Coupling	≤13 ms	
Ambient temperature range	-5...+85°C		– Opening	≤27 ms	

Pin allocation

Cable (AWG 24)	Designation
red	U_{Brake} +24 VDC
blue	U_{Brake} GND
red	Motor+
black	Motor-
Min. cable length	350 mm

Brake AB 28 24 VDC, 0.4 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.
- Schematic image: does not necessarily reflect the delivery state.

Stock program
Standard program
Special program (on request)

Part numbers

228389	228390

Type

Modular system

+ Motor	Page	+ Gearhead	Page	+ Sensor	Page	Overall length [mm] / • see Gearhead	
RE 40, 150 W	163					115.1	
RE 40, 150 W	163	GP 42, 3 - 15 Nm	439–441			•	
RE 40, 150 W	163	GP 52, 4 - 30 Nm	443–444			•	
RE 40, 150 W	163			HEDL 9140	540–541	135.6	
RE 40, 150 W	163	GP 42, 3 - 15 Nm	439–441	HEDL 9140	540–541	•	
RE 40, 150 W	163	GP 52, 4 - 30 Nm	443–444	HEDL 9140	540–541	•	
EC 45, 150 W	273						118.6
EC 45, 150 W	273	GP 42, 3 - 15 Nm	439–441				•
EC 45, 150 W	273	GP 52, 4 - 30 Nm	443–444				•
EC 45, 150 W	273			HEDL 9140	540–541		135.6
EC 45, 150 W	273	GP 42, 3 - 15 Nm	439–441	HEDL 9140	540–541		•
EC 45, 150 W	273	GP 52, 4 - 30 Nm	443–444	HEDL 9140	540–541		•
EC 45, 250 W	274						151.4
EC 45, 250 W	274	GP 42, 3 - 15 Nm	440–441				•
EC 45, 250 W	274	GP 52, 4 - 30 Nm	443–444				•
EC 45, 250 W	274	GP 62, 6.2 - 38.5 Nm	445				•
EC 45, 250 W	274			HEDL 9140	540–541		168.4
EC 45, 250 W	274	GP 42, 3 - 15 Nm	440–441	HEDL 9140	540–541		•
EC 45, 250 W	274	GP 52, 4 - 30 Nm	443–444	HEDL 9140	540–541		•
EC 45, 250 W	274	GP 62, 6.2 - 38.5 Nm	445	HEDL 9140	540–541		•

Technical data

Holding torque	0.4 Nm	Nominal voltage, smoothed		24 VDC ±10%
Mass inertia	10 gcm²	Resistance		R_{20} = 92.5 Ω ±6%
Max. speed	16 000 rpm	Duty cycle		100%
Weight	0.05 kg	Reaction time	– Coupling	≤ 13 ms
Ambient temperature range	-5...+85°C		– Opening	≤ 27 ms

Pin allocation

		from motor clamp	Designation
		RE 40	
Cable	green	(AWG 20)	U_{Brake} + 24 VDC
Cable	yellow	(AWG 20)	U_{Brake} GND
		EC 45	
Cable	No 4	(AWG 18)	U_{Brake} + 24 VDC
Cable	No 5	(AWG 18)	U_{Brake} GND
Min. cable length			500 mm