

## PM DC motors, $\varnothing$ 88 mm

Brushed DC motors for high volume applications in different types of machines. All motors are equipped with ball bearings and powerful neodymium magnets. The choice of neodymium magnets result in a compact high performance brushed DC motor. Standard motors are wound for a nominal

24 V DC supply. On request windings for other voltages can be offered. The motors are fitted with oversized brushes and commutators for long life. Insulation class B (130°C). The 88ZYN040 is a 4-pole design that suites well for vehicle applications as it, amongst other, have better low speed characteristics.



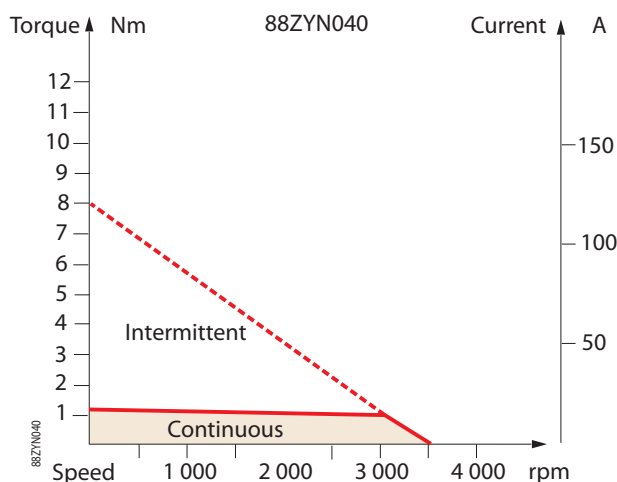
Planetary gearheads for  $\varnothing$  88 mm DC motors, see datasheet **PM81LN** (See page 22)

### Technical data

	Type	88ZYN040
	Part number	44158801
Nominal voltage	V	24
No load speed	rpm	3600
Back-EMF constant, KE	V/krpm	6.65
Torque constant, KT	Nm/A	0.063
Terminal resistance	ohm	0.2
Rated torque	Nm	1
Rated speed	rpm	3000
Rated current	A	$\leq 20$
Stall torque*	Nm	8
Stall current*	A	120
Weight	kg	2.3

\* Theoretical values

### Torque and speed



### Dimensions

