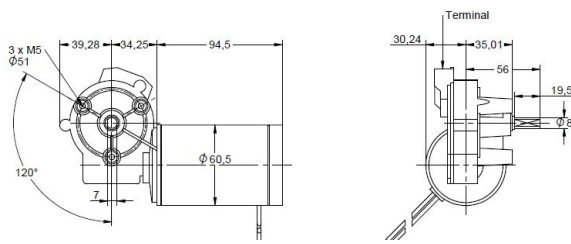


# WRD6093 / Ø 60mm / 23W / 23W

## DRAWING (mm)



## PHOTO



## MODEL NO. DESIGNATION

WRD6093 - VOLTAGE - REDUCTION - ME / OE / B

Example: WRD6093-12-55

ME = Magnetic encoder  
OE = Optical encoder  
B = Brake

## ADDITIONAL



Encoder



Brake

## GEAR MOTOR DATA

Reduction	55:1
Nominal torque 12 V (Nm) *	2.9
Nominal speed 12 V (rpm) *	51
Nominal torque 24 V (Nm) *	2.9
Nominal speed 24 V (rpm) *	51
Length (mm)	167.7
Weight (kg)	1.4

\* Nominal speed and nominal torque have a tolerance of  $\pm 15\%$

## GEAR HEAD DATA

Reduction	55:1
Max. continuous torque (Nm)	4.5
Intermittently permissible torque (Nm)	5.9
Efficiency (%)	67
Weight (kg)	0.4
Weight (kg)	0.6

## GEAR MOTOR FEATURES AND STANDARD DATA

	STANDARD	CUSTOMIZATION OPTIONS
Type	Planetary gear brush dc gear motor	
Motor type	Iron core. brush commutation	Winding parameters
Motor brush type	Carbon brushes	
Motor terminals	Soldering terminals	Wiring harnesses. cables. connectors
EMC filter	No	Yes
Gear material	Metal	
Motor pinion material	Plastic	Metal
Bearing	Sleeve bearing	
Shaft	Hardened stainless steel	Dimensions
Encoder option	Magnetic/Optical (to order as option)	Through shaft dim. and screw holes
Environmental protection	IP51 (with encoder or brake IP40)	
Operating temperature	-10...+60 °C	- 40...+60 °C
RoHS compliance	Yes	
CE label	No	Yes
UL approval	No	Yes

## MOTOR DATA

Nominal voltage (V)	12	24
No load speed (rpm)	3300	3300
No load current (A)	0.8	0.4
Nominal speed (rpm)	2800	2800
Nominal torque (mNm)	78	78
Nominal current (A)	2.8	1.40
Stall torque mNm)	372	372
Starting current (A)	15	7.5
Output (W)	23	23
Length (mm)	93	93
Weight (kg)	1.0	1.0