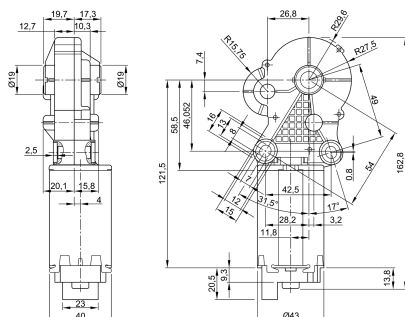


## Design Data

Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	A:Sleeve - B:Sleeve

## 0320 BR



### Motor picture



## Performance data

Rated voltage [V]	$U_N$	12
Nominal torque [Nm]	$M_N$	3.00
No-load speed [ $\text{min}^{-1}$ ]	$n_0$	21.0
Nominal power [W]	$P_N$	5.59
Nominal current [A]	$I_N$	3.5
Nominal force [kN]	$F_N$	0.00
Duty cycle	s3	

## Sensor data

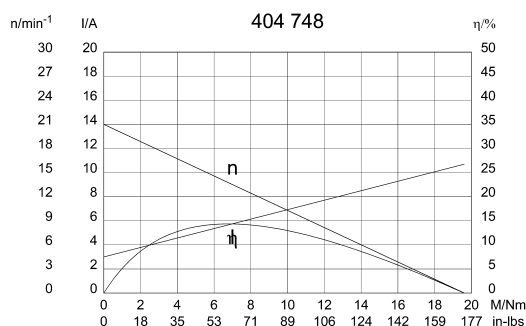
Pulses	210
Output channels	1

## Other data

Gear ratio	210/1
Gear wheel material	plastic
Suppression components	5,5μH, 47nF, (0,47μF)
Enclosure class	IP 40
Weight [kg]	0.440

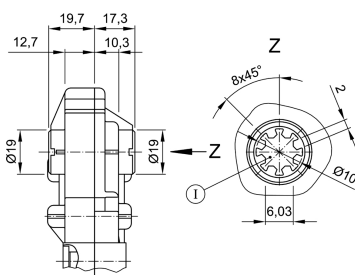
Remarks:

### Characteristic curves



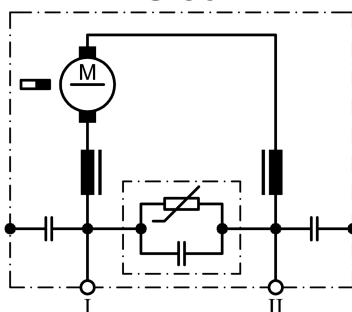
**Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)**

## W 270



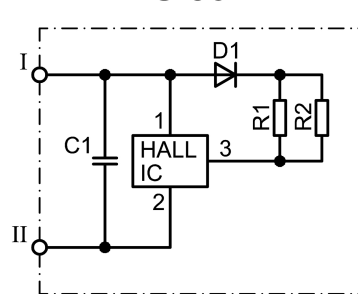
I through profile

**S 86**



- I Terminal 1
- II Terminal 5

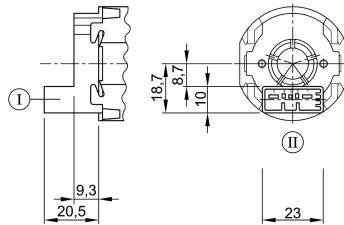
**S 85**



- I Terminal 4, Hall-IC +
- II Terminal 2, Hall-IC -

**Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)**

## K 220



Connector TYCO C-208-15621 (Z) mating with:  
**Connector housing 1379217-3 & cover**  
 1379218-2  
[www.tycoelectronics.com](http://www.tycoelectronics.com)

## Notes