

## Synchronous motor DUM4-05.1-00R.96-0AG

The synchronous motor DUM4 is a highly dynamic 6-pole permanent-field synchronous motor with high-energy neodymium-iron-boron magnets. Through the sinusoidal induced voltage reaches the motor excellent true running properties. Maximum pulse torques up to 5-fold continuous stall torque of the self-cooled motor are possible.



### Technical Data

#### DUM4-05.1-00R.96-0AG

##### Conformity

LVD	2014/35/EU
EMC Directive	2014/30/EU
UL/CSA approved	

##### Rated data

Stall torque	0.34 Nm
Current at stall torque	3.1 A
Rated Power	0.2 kW
Rated torque	0.32 Nm
Rated speed	6000 rpm
Maximum torque	1.7 Nm
Max. current (peak value)	25 A
Max. perm. speed	9000 rpm

##### Interfaces

###### Power connection

Plug connector 6 pole (Intercontec)

###### Encoder connection

Plug connector 12 pole

###### Encoder

Resolver TS2620 N21 E11; 2 pole

###### Temperature monitoring

PTC600 (almost identical values as the discontinued KTY84)

### Dimensions synchronous motor DUM4-05.1-00R.96-0AG

Motor	Weight [kg]	l38 [mm]	r1 [mm]	r2 [mm]
DUM4-05.1-00R.96-0AG	1	121	72	33

