



Figure similar

## Data sheet for SIMOTICS T-1FW3

Article No. : **1FW3203-1SH72-7DA0-Z**  
K40

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

### Engineering data

	$P_N$ [kW]	$M_N$ [Nm]	$I_N$ [A]	$n_N$ [rpm]	$M_{max}$ [Nm]	$I_{max}$ [A]	$n_{max, inv}$ [rpm]	$M_0$ [Nm]	$I_0$ [A]
<b>ALM 400V</b>	<b>23.5</b>	<b>750</b>	<b>59</b>	<b>300</b>	<b>1,390</b>	<b>132</b>	<b>710</b>	<b>790</b>	<b>62</b>
ALM 480V	28.5	750	59	360	1,390	132	710	790	62
SLM 400V	21.0	750	59	270	1,390	132	710	790	62
SLM 480V	26.0	750	59	330	1,390	132	710	790	62

### Mechanical data

Motor type	Permanent-magnet synchronous motor
Shaft height	200
Cooling	Water cooling
Vibration severity grade	Grade A
Shaft and flange accuracy	Tolerance N (at normal running temperature)
Degree of protection	IP54
Design acc. to Code I	IM B14
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Anthracite grey RAL 7016 (Standard)
Type of the bearing	Normal (Standard)
Shaft end	Hollow shaft
Encoder system	Resolver, multi-pole (number of pole pairs corresponds to number of pole pairs of the motor)
Encoder mounting system	Belt-mounted
Sound pressure level LpA(1m) motor rated load, tolerance + 3dB	73 dB <sup>1)</sup>

### Limiting data

Max. permissible speed (mech.)	1,000 rpm
Max. permissible speed (inverter)	710 rpm
Maximum torque	1,390 Nm
Maximum current	132 A

### Physical constants

Thermal time constant	12 min
Moment of inertia	4,900 kgcm <sup>2</sup>
Weight (approx.)	182 kg

### Connection

Type of electrical connection	Terminal box for power cable, connector for encoder signals and temperature sensor
Terminal box position	NDE
Power connection	Terminal box top

### Special design

K40 Regreasing system

<sup>1)</sup> at 4 kHz rated pulse frequency at the rated operating point