WITTENSTEIN

Datasheet

alpha Advanced Line

SP+ 180 HIGH SPEED



Gearbox characteristics	
Designation: SP180S-MC1-5-1M1-2K	
Product type	SP+
Size	180
Characteristic	Standard
Gearbox model	HIGH SPEED
Stages	1
Ratio	5
Output shape	Shaft with key
Clamping hub diameter	48 mm
Max. backlash	Standard ≤ 4 arcmin
Gearbox material number	20027928

Motor mounting parts	
Adapter plate material number	20032822

Performance data	
Max. torque $T_{2\alpha}$	880 Nm
Emergency stop torque	2,750 Nm
Max. input speed	6,000 min^{-1}
Permitted average input speed	4,500 min^{-1}
Max. tilting moment	1,600 Nm
Max. axial force	15,570 N
Max. lateral force	15,400 N
Moment of inertia	35.6 $kgcm^2$
Weight	34 kg
Lubrication	Lubricated for life
Max. permitted housing temperature	90 °C
Protection class	IP 65
Operating noise	67 dB(A)
Paint	Innovation blue