Technical product information

Gear type:	**Helical worm geared motors**
Type code:	**MAS S609 3 HH 63 0.12kW 4P W21**

Notes:	-
ID	-

Operation data

Ambient temperature	+20 °C
Type of operation	S1

Gear data

Max. perm. thermal power limit at +20 °C and S1 operation	1.3	kW
Output speed	0.41	1/min
Output torque	1163	Nm
Rated torque	1298	Nm
Service factor	1.15	
Gear stages	3	
Ratio	3400	
Perm. input torque at fB1	0.9	Nm
Max. perm. input speed	6000	1/min
Mounting position	V20	
Hollow output shaft diameter	Ø 50 H7	
Keyway	DIN6885.1	
Output shaft material	C45E (1.1191)	
Vent plug	0.2 bar	
Oil sight glass	No	
Painting	C1 - Indoor installation, neutral atmosphere NDFT 60 µm (C1 - DIN EN ISO 12944-5)	
Colour	RAL 7011 (Iron grey)	

Input side

Type	Direct mounting
Input shaft	Ø 16 j6
Input flange	FC120

Further executions gear unit

Lubricant	Synthetic oil - CLP PG ISO VG 460
Nameplate material	Aluminium

Motor data

Execution	WEG Modular System Motor (Multi-Voltage)	
Housing material	Aluminium	
Efficiency class η	IE3-64.8%	
Series	14PW (Multi-Voltage - W21)	
Motor power	0.12	kW
Motor output speed	1405	1/min
Output torque	0.82	Nm
Voltage	230/400	V
Frequency	50	Hz
Connection	D/Y	
Nominal current	0.68 / 0.39	A
Starting to rated current	5.5	
Cos Phi	0.68	
Protection class	IP 55	
Position of the terminal box - Cable entry	4 - I	
Insulation class	F	
Voltage range - 50 Hz	220-240 V (D), 380-420 V (Y)	
Voltage range - 60 Hz	250-277 V (D), 440-480 V (Y)	
Terminal board	6 bolts, 6 leads	
Certifications		

Further motor executions

Fan	self ventilated
Temperature control	Bimetal switch NCC (TH) and PTC thermistor (TF) for switch off

Total weight	50.8	kg