lskra



MAIN TECHNICAL DATA		
Туре	AZG	
Nominal voltage (V)	12	24
Rated power (kW)	5.0	6.5
Length	< 346	< 354
(mm)		
Weight	12 - 14.4	13.6 - 14
(kg)		
Engagement	direct	two-stage
Yoke diameter (mm)	110	
Stator	4-pole windings	
Drive assembly	6 rollers	
Solenoid 12V	pull-in current < 62 A	
	hold-in current < 14 A	
24V	pull-in current < 30 A	
	hold-in current < 7.5 A	
Terminals	30 - M10	
	31 - M10, M12	
	50 - M4, M5, M6, 6.3 x 0.8	
Basic protection	Protected against ingress of dust,	
	solid foreign objects and splashing	
	water (IP 56)	
Ambient temperature	- 40°C to + 110°C	

STARTER MOTORS WITH REDUCTION GEAR

APPLICATIONS

Basic 12V version for diesel engines of 5 to 10 litre displacement. 24V version for diesel engines of 7 to 17 litre displacement.

FEATURES

- High specific power output and efficiency.
- Excellent cold crank capability with low current drain from battery.
- Reduced weight and dimensions in comparison to direct drive starter motors.
- Highly efficient drive assembly for idle run of the pinion.

DESIGN

Noseless versions for specific applications on the engine.

Excitation using 4-pole windings enables high torque output.

Rubber shock absorber, low-noise, iron planetary reduction gear with pinion and armature in one axis.

Pinion shift mechanism with solenoid, fork lever and helix enables direct engagement in a 12V version.

Solenoid switch with pull-in and hold-in winding and double return spring for effective breaking of the main contacts.

Six-roller clutch and drive assembly is designed to transmit power from the starter motor to the engine.

High quality thermal resistant materials.

Support brackets of die cast aluminium or grey cast iron.

Free of asbestos, cadmium, beryllium and ammonia.

Electronic soft start relay in the 24V version enables effective two-stage soft engagement. It controls the starting process and prevents damage and overloading of the starter pinion and the engine ring gear.

Protection against water is achieved by drain holes, O-rings and a rubber boot.

Oil-proof versions for wet clutches are available.

Insulated return versions are available.

CROSS SECTION



1. Drive end bracket • 2. Drive assembly • 3. Engaging lever • 4. Reduction gear • 5. Starter switch • 6. Stator 7. Armature • 8. Brush holder • 9. Commutator end bracket • 10. Soft start relay



CHARACTERISTICS



Iskra