

GSR

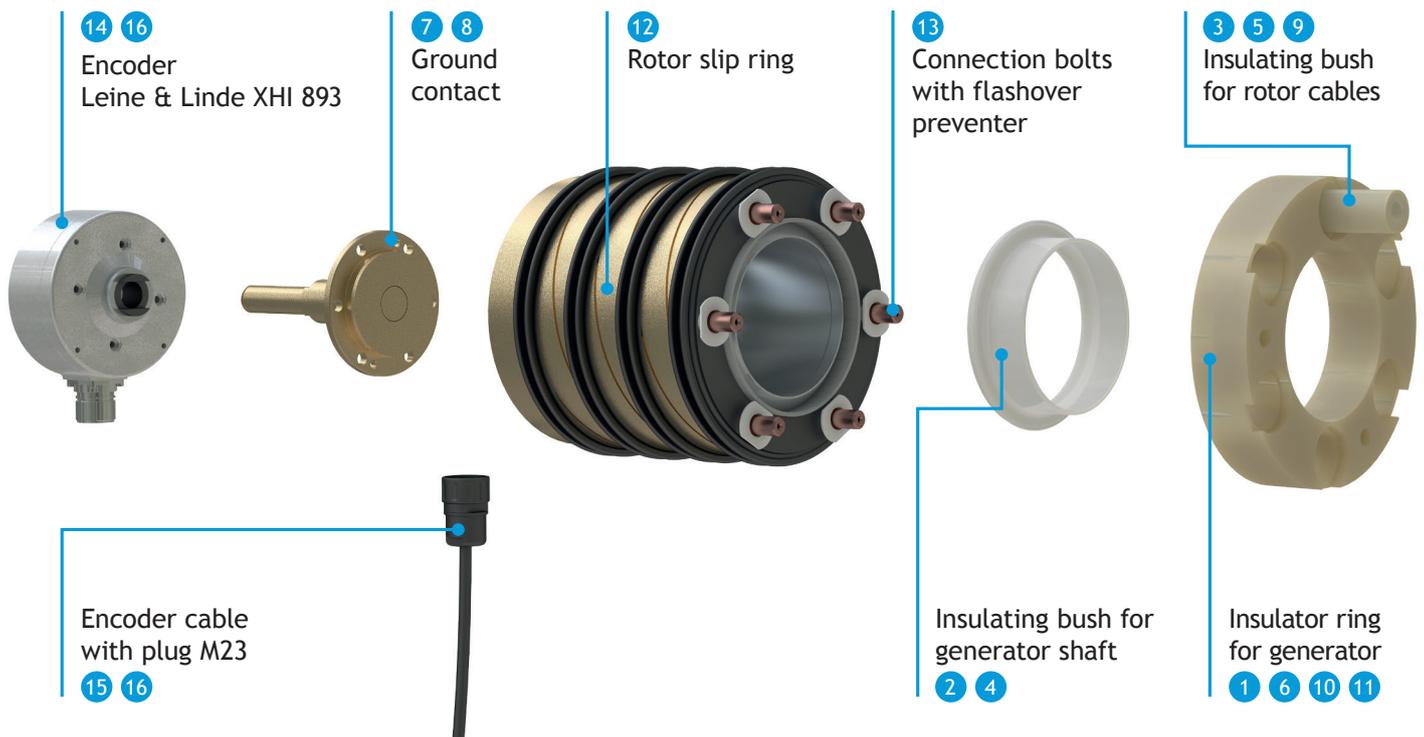
Generator slip ring and accessories
for double-fed asynchronous generators



Generator rotor slip ring and accessories suitable for double-fed asynchronous generators from ABB, Weier and Leroy Somer

The double-fed asynchronous generator is the type of generator most frequently used in wind turbines. Amongst other things, it is made up of a multi-phase rotor, which is connected via a rotor slip ring. Normally, a rotor slip ring and its brush unit require regular maintenance. These components are, thus, some of the wear parts in the generator.

In order to optimize operating costs for owners and plant operators, a low-maintenance, high-quality slip ring with excellent insulation and contact material is available in the form of GSR. Customers will be impressed by how easy it is to maintain, its reliability, and its long service life.



Products

Rotor slip ring with universal drilling pattern, suitable for assembly in double-fed asynchronous generators from ABB, Weier or Leroy Somer, which were predominantly built into various wind turbines designed by Vestas, types V52 to V90.

Accessories, such as insulation or positioning rings, insulating bushes, ground contacts, as well as Leine & Leine encoders with a pluggable connection cable can also be delivered.

Designs



Working range

Rotor slip ring and plastic parts: -20°C ... +120°C



Electr. connection

Generator side: Ø 10 mm connection bolt
Inverter side: Via available carbon brushes



Mech. connection

Mech. connection: Via a universal drilling pattern suitable for assembly in double-fed asynchronous generators designed by ABB, Weier or Leroy Somer. Balanced slip ring with max. 15 gmm.



Additional services

Encoder, cable, carbon brushes, brush holders, insulating components

Generator slip rings including accessories for other double-fed asynchronous generators can be supplied upon request.

Position	Article No.	Item Description
1	1141191-01	Insulator ring ABB generator, standard 70 mm ²
2	1141416-01	Insulating bush for ABB generator shaft, standard 70 mm ²
3	1141470-01	Bushing Insulator rotor cable ABB generator, standard 70 mm ²
4	1141226-01	Insulating bush ABB generator shaft, with upgrade 85 mm ²
5	1141405-01	Bushing isolator rotor cable ABB generator, with upgrade 85 mm ²
6	1141430-01	Insulator ring ABB generator, with upgrade 85 mm ²
7	1141696-01	Ground contact with one brush
8	1141305-01	Ground contact with three brushes
9	1141154-01	Bushing Insulator rotor cable Weier generator
10	1141148-01	Insulator ring Weier generator
11	1141068-01	Insulator ring Leroy-Somer generator
12	1121760-01	Rotor slip ring, Type SM155-00/04-G01
13	1141598-01	Ground ring, DE side, generator shaft 2MW generator
14	741221-01	Encoder Leine & Linde XHI 893, generator feedback
15	1142658-01	Connection cable encoder, 1.1m, M23, flying leads
16	1038303-01	Set consisting of position 14 + 15: Encoder Leine & Linde XHI 893 inclusive Connection cable encoder, 1.1m, M23, flying leads

