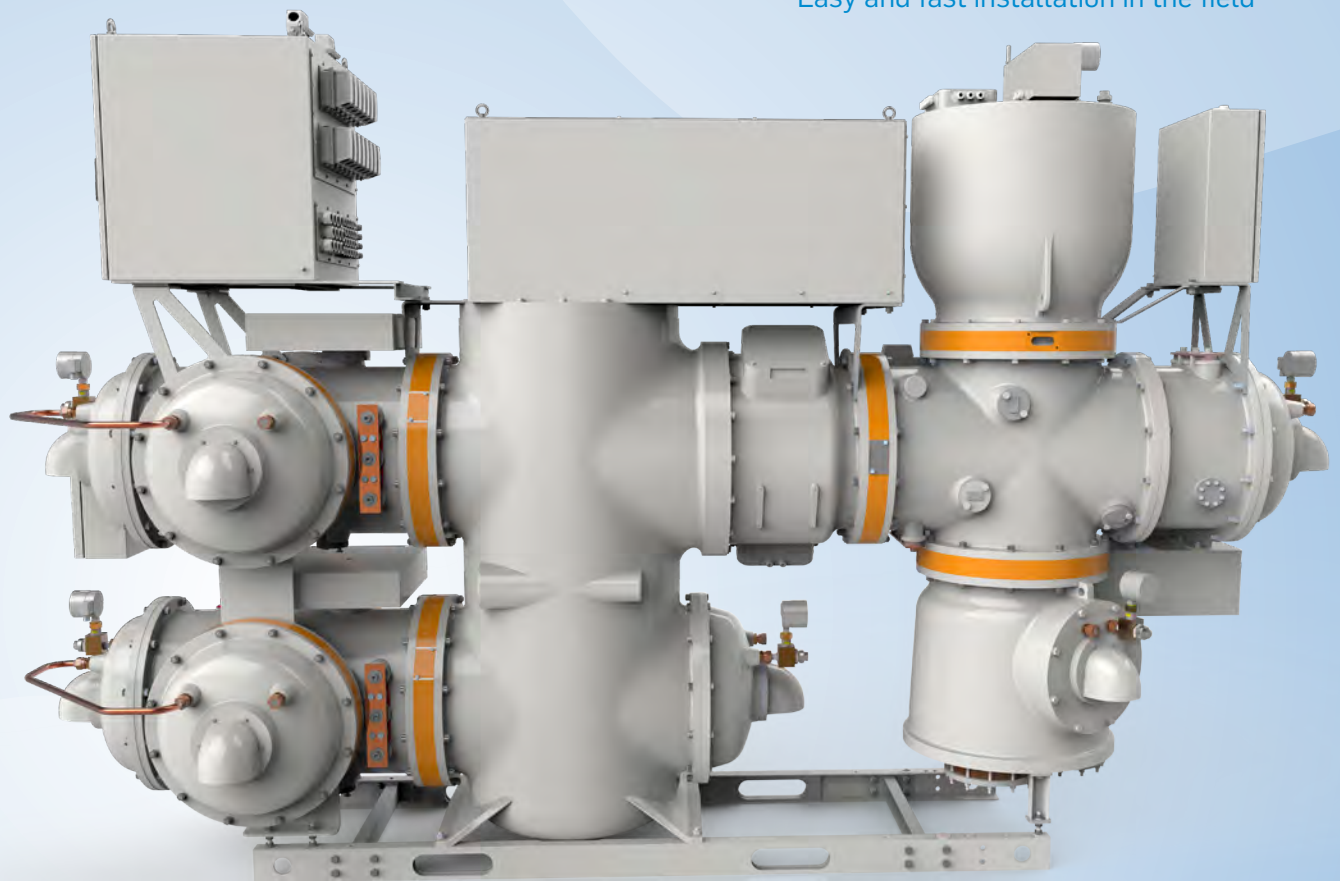


Metal enclosed and SF₆ gas-insulated switchgear, GIS 123/145 kV Series K8D.6 – N

BASIC CHARACTERISTICS :

- High safety of operating personnel
- Autocompression switch type
- Low electrical stress
- Insensitivity to environmental influences
- Minimal gas loss
- Easy and fast installation in the field



BENEFITS FOR THE USER

- Increased safety and reliability
- Very little space required
- Flexible solutions tailored to user special requirements
- Minimal maintenance
- Low total maintenance costs over a lifetime

KONČAR
SWITCHGEAR

Metal enclosed and SF₆ gas-insulated switchgear, GIS 123/145 kV

Series K8D.6 – N

KONČAR can utilise the best solutions based on more than 40 years of experience in the design, manufacture and maintenance of gas-insulated switchgear. KONČAR's metal-enclosed and gas-insulated switchgear (GIS) type K8D.6-N are designed as three-pole units optimized for the challenges of electrical networks up to 145 kV.

TECHNICAL DATA		
Rated voltage	kV	123 / 145
Rated lightning impulse withstand voltage 1,2/50 μ s		
- between phases and to earth	kV	550 / 650
- across insulating distance	kV	630 / 750
Rated power frequency withstand voltage		
- between phases and to earth	kV	230 / 275
- across insulating distance	kV	265 / 315
Maximal rated current		
- bay	A	3150
- busbar system	A	3150
Rated frequency	Hz	50
Rated short-time withstand current, up to	kA	40
Rated peak withstand current	kA	104
Rated duration of short circuit	s	3
Annual gas leakage rate	%	<0,1%
Class		C2, M2
Operating mechanism		Spring, motor operated
Mass	kg	~ 4000
Applicable norms		IEC 62271-1 IEC 62271-203 IEC 62271-100 IEC 62271-102 IEC 62271-209



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