



*Saves Your Energy*

# ISAR-S

Load-break disconnecter switch



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## Air-break overhead load-break disconnecter switch

ISAR-S load-break disconnecter switches are designed for low-load breaking overhead MV electrical lines.

Equipped with an air-break technology system combined with an isolating switch in series, this device provides visible opening and great safety in operation.

ISAR-S switches are suitable for overhead distribution networks up to 36 kV, and especially those requiring a high level of insulation:

- No maintenance required.
  - Easy pole top mounting.
  - Line works can be carried in safe conditions thanks to the visible opening and high level of insulation.
  - A manual control mechanism is available with a rod assembly and padlockable lever.
  - Whip breaking system.
  - The ISAR-S switch control mechanisms are equipped with a tumbler spring system which directly operates the mobile shaft.
- The operating speed is not dependant on the operator.
- Height of the pole from 11 to 14 m.
  - Synthetic Insulators designed with a central part in epoxy resin. The flexible skirts in over molded silicone provide an important creepage distance and a good protection against vandalism.

### Technical characteristics

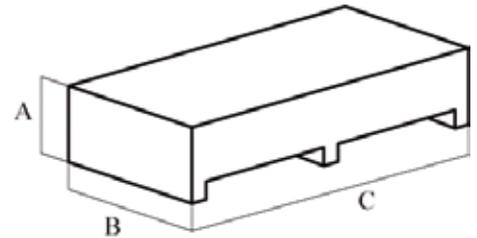
CHARACTERISTICS	ISAR-S 24 KV	ISAR-S 36 KV
Rated voltage (kV)	24	36
Rated current (A)	200/400	200/400
Breaking capacity:		
• Active load (A)	31.5	31.5
• No-load transformer (A)	2.5	2.5
• Close loop current (A)	200/400	200/400
• Off-load line (A)	10	10
Rated peak closing capacity (kA)	12.5	12.5
Rated lightning impulse withstand voltage (kV peak)		
• To earth and between poles	125	170
• Across the isolating distance	145	195
Rated 1 min power frequency withstand 50 Hz/1 min (kV)		
• To earth and between poles	50	70
• Across the isolating distance	60	80
Rated short-time withstand current (kA 1s)	5	5
Rated peak withstand current (kA)	12.5	12.5
Mechanical endurance (cc)	1 000	1 000

In order to ease the logistics and the installation in difficult access areas, ISAR-S load-break switches are made up of three independent pre-assembled poles and single frame.

### Dimension and weight

ISAR-S load break switches are packed and handled by unit.

The pre-assembled poles and the frame are included in the same box with also the control lever, the rod assembly, guide and instructions for the assembly and the installation.



### Overall dimensions of the unit packing (complete product)

A = 430 mm  
B = 1 100 mm  
C = 2 200 mm

### Gross weight (packed product)

ISAR-S 24 kV : 130 kg  
ISAR-S 36 kV : 150 kg



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