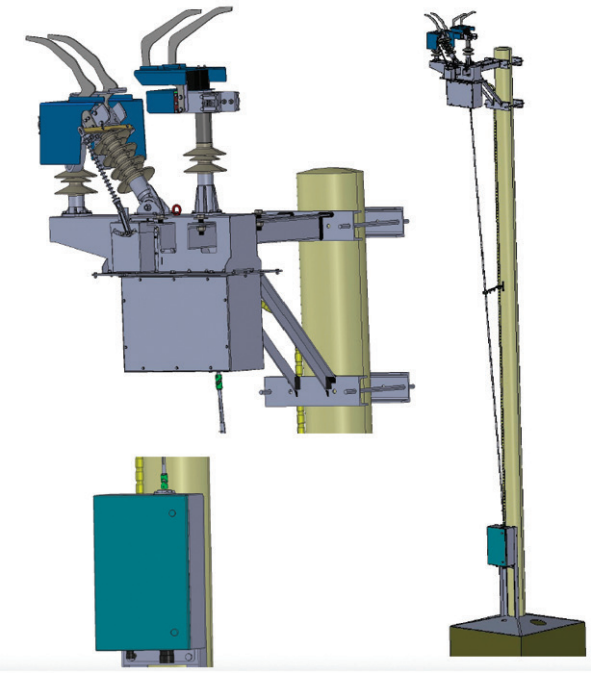
IMS - Outdoor DC Load Break Switch-Disconnector Pole-Mounted Type TE – 3 kV DC / 3 kA

The IMS system is a switch-disconnector designed to ensure both disconnection and open-air closure of the railway traction line. Specifically engineered for 3 kV DC installations with nominal currents up to 3 kA, it is optimized for use in railway environments.
The disconnector allows both remote (electrical) and local (manual) control, providing maximum flexibility for line opening and closing operations.
There are two Versions Available:
• Excitation Type
• De-excitation Type
The choice between the two depends on the specific application requirements.



IMS SYSTEM

1 EXCITATION TYPE:
is used in railway line or station environments for line interruption and closure operations. It enables both disconnection and closure of the traction line through the presence of an electrical control signal.

2 DE-EXCITATION TYPE:
is used in environments such as SSE yards (Electric Substations) or Automatic Sectioning Posts. It enables line disconnection through the absence of an electrical opening command signal.
Line closure is performed via the presence of an electrical closing command.

The IMS system complies with
RFI Specification DTC ST E SP IFS TE 005 A.

EASY INSTALLATION

The device can be installed directly on the TE-type catenary pole using the brackets specified by RFI (Italian Railway Infrastructure). No further adjustments are required after installation

CONFIGURABILITY

It is possible to switch from the “Excitation” opening control configuration to the “De-excitation” opening control configuration.

DURABILITY

The external components are made of stainless steel. The system features an IP55 protection rating.

MAINTAINABILITY

No maintenance is required for internal components.
Worn components can be easily replaced at the end of their service life.