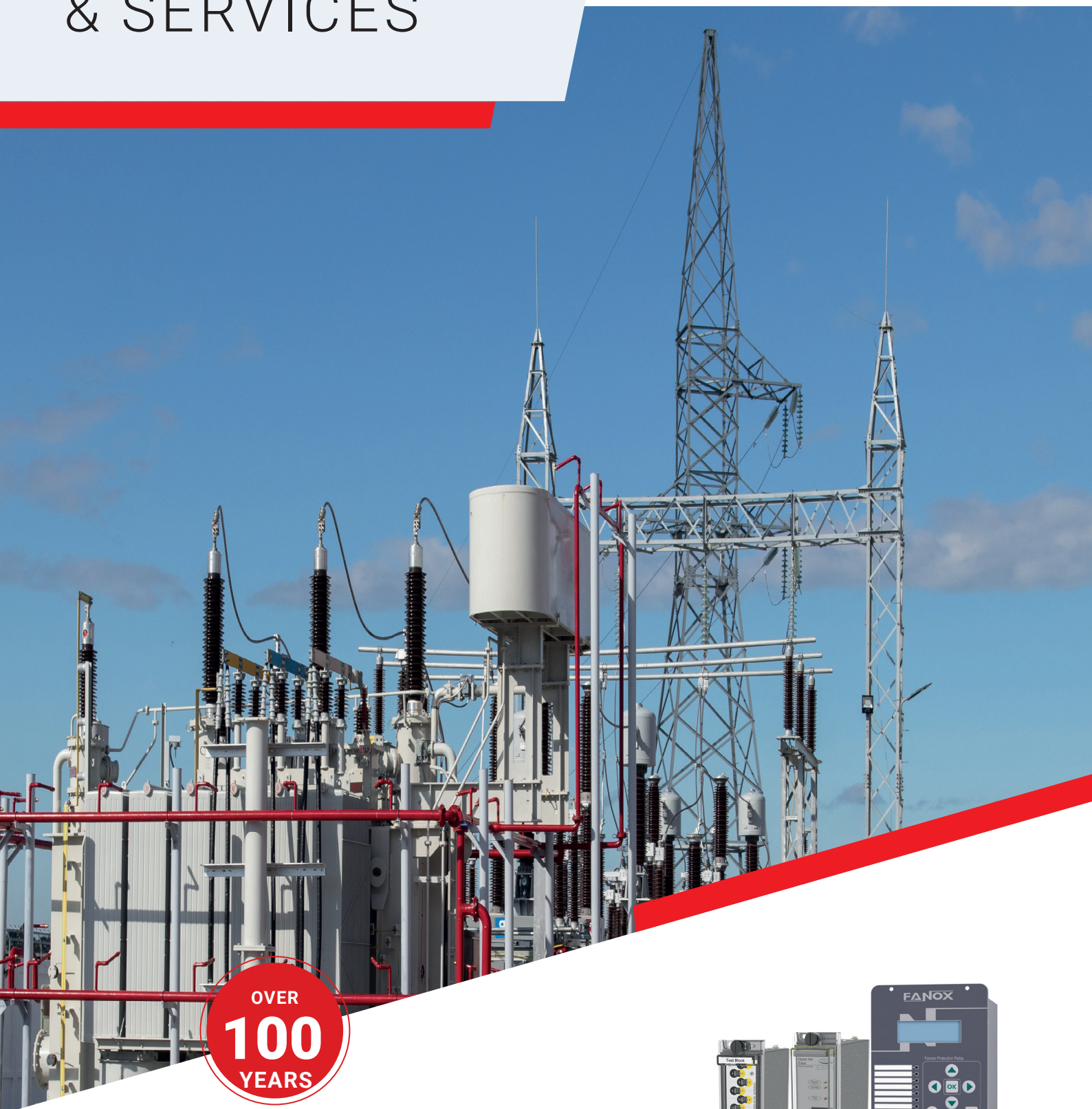


/// POWER & INDUSTRY

PRODUCTS & SERVICES



OVER
100
YEARS

providing high-quality products
to protect the electrical grid



D-PLATFORM

Compact heavy duty relays for demanding applications, switching of AC- and DC-voltages, resistive and/or inductive loads.

D-R4 High speed trip relays

- Less than 7 ms contact pull-in
- 4 C/O contacts
- High DC breaking capacity

D High performance auxiliary relays

- 4 C/O contacts
- High DC breaking capacity

BD High performance auxiliary latching relays (lockout)

- 3 C/O + 1 N/C contacts
- High DC breaking capacity

KDN High performance auxiliary latching relays (lockout)

- 8 C/O contacts
- High DC breaking capacity

D8-R High speed trip relays

- Less than 7 ms contact pull-in
- 7 C/O contacts
- High DC breaking capacity

Sockets

- Sockets for D-platform plug-in relays
- Flexible terminal and mounting options



DELTA-PLATFORM

Compact trip, auxiliary and supervision relays for demanding power utility applications, switching of AC- and DC-voltages, resistive and/or inductive loads.

TRD4 High speed trip relays

- Less than 10 ms operate time
- High burden
- 4 contacts (magnetic blow-out standard)
- Hand reset mechanical flag
- Surface or 35 mm rail mount

XRD Supervision relays

- Trip supply supervision
- Trip circuit supervision
- Mechanical hand reset flag versions
- Self-reset LED indication versions
- Surface or 35 mm rail mount

Delta-Flex modular relay mounting system

- Suits Delta platform
- Suits D relay platform



ALPHA-PLATFORM

New technology electro-mechanical trip, auxiliary and supervision relays for power utility protection and control applications. Various mechanical flag options | panel or rack mounting

TR High speed trip relays

Less than 8 ms operate time | high/low burden | 5 or 12 heavy duty contact versions | self-reset and latching contact versions (lockout)

XR Supervision relays

Trip supply supervision | trip circuit supervision | trip relay supervision | 5 heavy duty contacts



6R MATRIX-PLATFORM

Traditional electro-mechanical trip, auxiliary, and supervision relays for power utility protection and control applications. Self-reset and latching contact versions (lockout) | hand reset mechanical flag | panel or rack mounting

6RJ High speed trip relays

Less than 10 ms operate time | high/low burden models
Up to 20 heavy duty contact versions

6RA High performance auxiliary relays

Lower than 30 ms operate time | 6 heavy duty contacts
Two element version with 6 contacts per element



TEST BLOCKS

Quick and safe testing access point for protection, metering, and control panels. Safety isolate, test, and verify protection, metering, and control schemes. Finger safe test plug and panel or rack mounting

4M200 14 Circuit test block system

Compatible with Industry standard | 14 circuit test blocks and test plugs

4M400/4M202 14/28 Circuit test block system

Automatic CT shorting inside the test block | Staged isolation
One test plug suits all 4M400 variants



ARC FAULT PROTECTION

Fast acting protection against arcing faults in metal clad air insulated switchgear, suitable for medium and low voltage applications

Arc fault monitor

2 and 3 point or 1 and 2 point sensor arc fault monitor
4 point sensor arc fault monitor | 4 Point & 1 linear sensor arc fault monitor

16 point sensor arc fault monitor

12 point & 2 linear sensor arc fault monitor

Sensor

Point sensor with single or dual detectors
Linear sensor for coverage of large volumes



SELF POWERED TECHNOLOGY SOLUTION



OC&EF Protection Relays

With Auxiliary supply, Dual and Self-Powered
For Standard CTs/1A or Specific CTs
Basic and Advanced models



SIA-B | SIA-C | SIA-F

INTELLIGENCE APPLIED TO PROTECTION RELAYS

OC&EF Protection Relays

Basic and advanced models | For feeder applications with 67N-59N

Line, Feeder and Generator Protection Relays

Directional protection | For current transformers and voltage transformers

LPIT Feeder Protection Relays

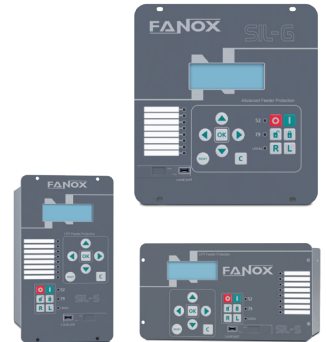
Directional protection | For current transformers and voltage transformers

Voltage, Frequency and Syncrocheck Protection Relay

For transformers and electrical machines in high, medium, and low voltage distribution systems

Feeder & Overhead Control | RTU

Directional protection | For current transformers and voltage transformers



SIL-A | SIL-G | SIL-C | SIL-S
SIU-C | SIR-A | SIR-C

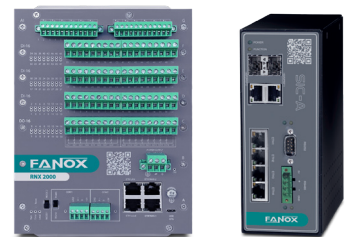
COMMUNICATION SOLUTIONS

Remote Control Unit | RTU

For primary and secondary distribution and suitable for low and medium-voltage switchgear

Redundancy Protocols Gateway (PRP/HSR)

With any-to-any protocol conversion



RNX2000 | SIC-A

LOW VOLTAGE PROTECTION & CONTROL

Protection & Control of Motors, Generators and Pumps
Control & Measurement
Earth Leakage Protection
Protection Against Transient Overvoltage
Current Transformers



TEST & MEASUREMENT

Special measuring instruments for checking and guaranteeing electrical equipment and low-voltage installations.

Equipment testers

PAT-testers for quick and user-friendly testing of (electrical) work equipment



Installation testers

Testers for inspecting electrical installations



Solar PV installation testers

Instruments for testing and checking the safety and efficiency of PV installations



Test Tools

Test tools are handy measuring solutions for measuring and demonstrating voltage and current



Digital Multimeters & Current clamps

Robust series of multimeters for professional and intensive use and a series of ergonomic compact clamp meters and clamp adapters



Environmeters

Various environmental values such as light and temperature and thermographic hot spots can be measured with these meters



/// SALES OFFICES & FACTORIES

Mors Smitt Asia Ltd.

Unit B&C, 25/F, Casey Aberdeen House
38 Heung Yip Road,
Wong Chuk Hang
Hong Kong
Tel: +852 2343 5555
sales.msa@wabtec.com

Mors Smitt France SAS

2 Rue de la Mandinière
72300 Sablé-sur-Sarthe
France
Tel: +33 (0) 243 92 82 00
sales.msf@wabtec.com

Mors Smitt Technologies Ltd.

1010 Johnson Drive
Buffalo Grove, IL 60089-6918
United States of America
Tel: +1 847 777 6497
salesmst@wabtec.com

Mors Smitt UK Ltd.

Graycar Business Park
Burton on Trent
DE13 8 EN
United Kingdom
Tel: +44 (0)1283 357 263
sales.msuk@wabtec.com

RMS Mors Smitt

19 Southern Court
Keysborough, VIC 3173
Australia
Tel: +61 (0)3 8544 1200
sales.rms@wabtec.com

Wabtec Netherlands B.V.

Darwinstraat 10
6718 XR Ede
The Netherlands
Tel: +31 (0)88 600 4500
sales.msbv@wabtec.com

Fanox Electronic, S.L.

Parque Tecnológico de Bizkaia
Astondo bidea. edificio 604
48160 Derio – Bizkaia
Spain
Tel. +34 944 711 409
Email: fanox@fanox.com

/// SALES & SUPPORT OFFICES

China

Zhongshan
People's Republic of China
sales.msa@wabtec.com

Gulf Region

Abu Dhabi
United Arab Emirates
sales.rms@wabtec.com

India

Bangaluru
India
sales.msa@wabtec.com

Malaysia

Kuala Lumpur
Malaysia
sales.rms@wabtec.com

