



SIEMENS

Ingenuity for life

Sm@rtGear™ portfolio

Revolutionary intelligent platform for configuration, control and automation

Innovation focal points

The Siemens Totally Integrated Power (TIP) portfolio encompasses the industry's finest cutting-edge hardware, advanced software, and comprehensive services to provide customers with all the tools needed to build an integrated solution.

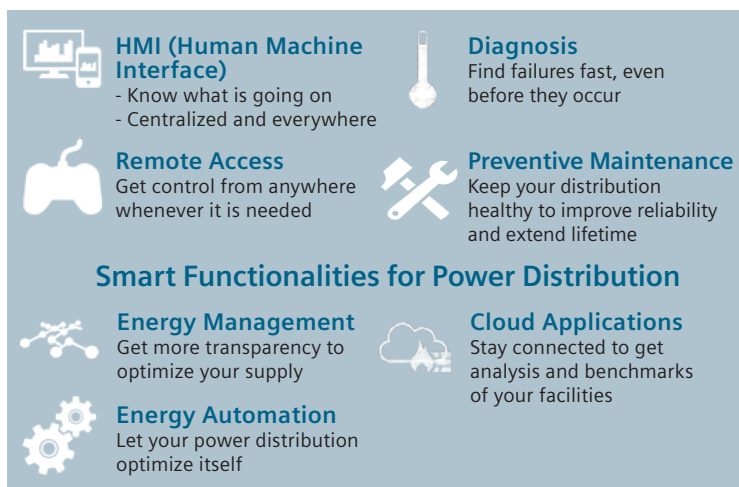
The Sm@rtGear™ portfolio takes the TIP concept to the next level for comprehensive facility-wide

monitoring, configuration and control of both low-voltage and medium-voltage equipment.

Advantages at a glance:

- Keeping business operational with maximum uptime
- Reliable energy-efficient products and systems
- Ease of operation and maintenance

- Remote access for arc flash mitigation
- Integration with existing equipment
- One supplier for all power distribution needs
- Long-term partner over entire lifecycle
- Technology leader with durable solutions
- 24/7 hotline support



HMI (Human Machine Interface)
- Know what is going on
- Centralized and everywhere

Remote Access
Get control from anywhere whenever it is needed

Diagnosis
Find failures fast, even before they occur

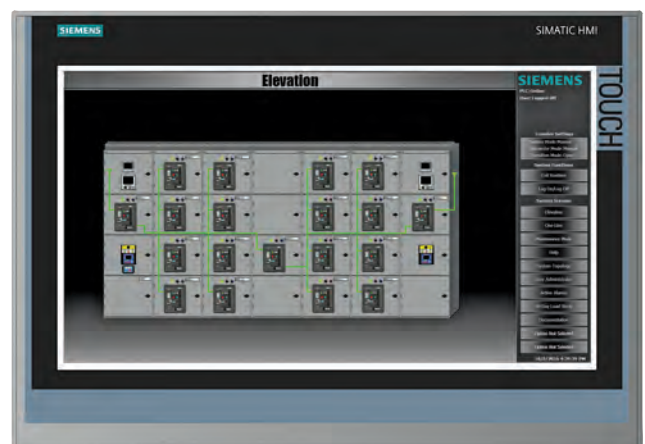
Preventive Maintenance
Keep your distribution healthy to improve reliability and extend lifetime

Smart Functionalities for Power Distribution

Energy Management
Get more transparency to optimize your supply

Energy Automation
Let your power distribution optimize itself

Cloud Applications
Stay connected to get analysis and benchmarks of your facilities



Sm@rtGear remote HMI

Sm@rtGear offering



Feature	Low-voltage motor control center	Low-voltage switchboards	Low-voltage switchgear	Medium-voltage switchgear	Medium-voltage motor controllers
Types	WL insulated-case circuit breakers	WL insulated-case or power circuit breakers, VL circuit breakers	WL power circuit breakers	GMSG vacuum circuit breakers	12SVC400, 12SVC800 contactors
Maintenance mode	Yes	Yes, standard feature	Yes, standard feature	Yes, standard feature	Yes
Metering	PAC 9410, 9610	PAC, 9410, 9610	PAC, 9410, 9610	Q200, Q100, P855	Q200, Q100, P855
Protective relays	SIMOCODE	Yes, optional	Yes, optional	Yes, standard SIPROTEC	Yes, standard SIPROTEC
Remote racking	No	Yes, optional external accessory	Yes, optional external accessory	Yes, optional integrated accessory	No
Remote open/close	Yes, standard WL only	Yes, standard with WL, VL optional with external motor operator	Yes, standard	Yes, standard	Yes
HMI size	15"	22"	22"	22"	22"
Auto-throwover	Yes, open transition standard; closed transition optional	Yes, open transition standard; closed transition optional	Yes, open transition standard; closed transition optional	Yes	Yes
Temperature sensing	Yes, optional	Yes, optional	Yes, optional	Yes, optional	Yes
Optional accessories	High-resistance grounding	High-resistance grounding, SEM3 embedded metering	High-resistance grounding, load shedding	High-resistance grounding, partial-discharge monitoring	High-resistance grounding, partial-discharge monitoring

Published by
Siemens Industry, Inc. 2017.

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Order No. PDFL-SMGPF-0817
Printed in U.S.A.
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