REX640 2.0

REX640E_B

We recommend the use of the PSM3 module for this product if you are having 110-125 VDC auxiliary voltage. A high energy efficiency module with less power consumption, lower environmental impact, and an ideal choice for hot environmental conditions.

Note! REX640 HMI needs to be added to shopping cart separately!

Protection and control REX640

Powerful, freely configurable all-in-one protection and control relay

REX640 is a powerful, all-in-one protection and control relay for advanced power generation and distribution applications. REX640 offers unmatched flexibility throughout its entire life cycle – from ordering through testing and commissioning, to upgrading the functionality of its modular software and hardware to meet new application requirements.

Composition code

REX640B20GC+AIM1+APP2+APP3+APP4+BIO1+BIO1+BIO2+CMP5+COM1+MCT2+PCL5+PSM2+SCT2

Price

-

Please sign-in or register to see product prices

Configure by using a template (Application configuration)

Choose your configuration from a template. Quickest way to configure the product.

Configure by building ordering code (Multiapplication configuration)

Advanced configuration options which allow you to select functionality from all application areas.

REX640	**Main application** REX640 Protection and Control Relay without LHMI

◉ **REX640**   REX640 Protection and Control Relay without LHMI

B	**Housing** B = Standard case (7 module slots)

◯ **A**   A = Narrow case (5 module slots)

◉ **B**   B = Standard case (7 module slots)

2	**Product Version** Product version

◉ **2**   Product version

0	**Interface Level** Interface level

◉ **0**   Interface level

G	**Option 1** Global language package: English, Chinese, Croatian, Czech, Finnish, French, German, Hungarian, Italian, Polish, Portuguese, Slovenian, Spanish, Swedish, Turkish

◉ **G**   Global language package: English, Chinese, Croatian, Czech, Finnish, French, German, Hungarian, Italian, Polish, Portuguese, Slovenian, Spanish, Swedish, Turkish

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C	**Option 2** With conformal coating

◉ **C**   With conformal coating

□	**Communication module** COM1

☑ **COM1**   COM: RJ45(LHMI) + 3xRJ45 + SFP 100M LC rack

☐ **COM2**   COM: RJ45(LHMI) + 2xLC + RJ45 + SFP 100M LC rack

☐ **COM3** COM: RJ45(LHMI) + 3xLC + SFP 100M LC rack

☐ **COM4** COM: RJ45(LHMI) + 2xRJ45 + SFP 100M LC rack + RS485/IRIG-B + St

☐ **COM5** COM: RJ45(LHMI) + 2xLC + SFP 100M LC rack + RS485/IRIG-B + St

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Arc module   Optional

☐ **ARC1** ARC: 4sensors; loop or lens

BIO module   Optional
2x BIO1

☐ **1x BIO1** BIO: 14BI + 8SO

☑ **2x BIO1** BIO: 14BI + 8SO

☐ **3x BIO1** BIO: 14BI + 8SO

☐ **1x BIO3** BIO: 14BI + 8SO

BIO module (with static power outputs)   Optional
1x BIO2

☑ **1x BIO2** BIO: 9BI + 6SPO + 2SPO with TCS

☐ **2x BIO2** BIO: 9BI + 6SPO + 2SPO with TCS

☐ **3x BIO2** BIO: 9BI + 6SPO + 2SPO with TCS

☐ **1x BIO4** BIO: 9BI + 6SPO + 2SPO with TCS

RTD module   Optional

☐ **1x RTD1** RTD: 10RTD + 2mA (in or out)

☐ **2x RTD1** RTD: 10RTD + 2mA (in or out)

☐ **1x RTD2** RTD: 3RTD + 6mA (in or out) + 12 BI

☐ **2x RTD2** RTD: 3RTD + 6mA (in or out) + 12 BI

Analog module   Optional
1x AIM1

☑ **1x AIM1** AIM: 4CT(1/5A) +1CT(0.2/1A) + 5VT

☐ **2x AIM1** AIM: 4CT(1/5A) +1CT(0.2/1A) + 5VT

☐ **1x AIM2** AIM: 6CT(1/5A) + 4VT

☐ **2x AIM2** AIM: 6CT(1/5A) + 4VT

☐ **1x SIM1** SIM: 3combi sensor + 1CT(0.2/1A) +1VT IEC60044

☐ **2x SIM1** SIM: 3combi sensor + 1CT(0.2/1A) +1VT IEC60044

☐ **1x SIM2** SIM: 3combi sensor + 1CT(0.2/1A) +1VT IEC61869

☐ 2x SIM2 SIM: 3combi sensor + 1CT(0.2/1A) +1VT IEC61869

PSM
PSM2

☐ **PSM1** PSM: 24 - 60VDC + 3SO + 2SSO + 2PO + 3PO with TCS

☑ **PSM2** PSM: 48 - 250VDC and 100 - 240VAC + 3SO + 2SSO + 2PO + 3PO with TCS

☐ **PSM3** PSM: 110-125VDC + 3SO + 2SSO + 2PO + 3PO with TCS

CT and VT connectors (valid also for SIM module)
MCT2

☐ **MCT1** Compression type CT and VT connectors

☑ **MCT2** Ring lug type CT and VT connectors

☐ No CT and VT connectors

Signal connectors
SCT2

☐ **SCT1** Compression type signal connectors

☑ **SCT2** Ring lug type signal connectors

☐ **SCT3** Push-in type signal connectors

☐ No signal connectors

Base functionality
Included

☑ Included

Application (in addition to base functionality)   Optional
APP2, APP3, APP4

☐ **APP1** APP1 - Feeder earth fault protection extension package

☑ **APP2** APP2 - Feeder fault locator package

☑ **APP3** APP3 - Line distance protection package

☑ **APP4** APP4 - Line differential protection package

☐ **APP5** APP5 - Shunt capacitor protection package

☐ **APP6** APP6 - Interconnection protection package

☐ **APP7** APP7 - Machine protection package

  ☐ **ADD1** ADD1 - Synchronous machine add-on package

☐ **APP8** APP8 - Power Transformer protection package

☐ ADD2   ADD2 - 3-winding power transformer add-on package

☐ **APP9**   APP9 - Busbar protection package

☐ **APP10**   APP10 - OLTC control package (automatic voltage regulator)

☐ **APP11**   APP11 - Generator autosynchronizer package

☐ **APP12**   APP12 - Network autosynchronizer package

☐ **APP13**   APP13 - Petersen coil control package

☐ **APP14**   APP14 - DG-set monitoring package

(Continue)

☐ **High-speed transfer device (in addition to base functionality)**   Optional

☐ **APP51**   APP51 - HSTD for one stand-by feeder

☐ **APP52**   APP52 - HSTD for two stand-by feeders

☐ **APP53**   APP53 - HSTD for three equal feeders

Protocols
CMP5

☐ **CMP1**   IEC 61850

☐ **CMP2**   IEC 61850 and Modbus

☐ CMP3   IEC 61850 and IEC 103

☐ **CMP4**   IEC 61850 and DNP3

☑ CMP5   IEC 61850 and IEC 104

☐ CMP30   IEC 61850 and Modbus (master)

Connectivity level
PCL5

☑ **PCL5**   PCL5 Connectivity level (Recommended)

Hardware representation

A1		B	C	D	E	F	G
N/A		BIO1	BIO1	BIO2	N/A	AIM1	PSM2
Description N/A		BIO: 14BI + 8SO	BIO: 14BI + 8SO	BIO: 9BI + 6SPO + 2SPO with TCS	Description N/A	AIM: 4CT(1/5A) +1CT(0.2/1A) + 5VT	PSM: 48 - 250VDC and 100 - 240VAC + 3SO + …
A2							
COM1							
COM: RJ45(LHMI) + 3xRJ45 + SFP 100M LC rack							