

Multilin

BUS 1000 and 2000 Bus Bar Protection End-of-Life Notice

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Overview

After more than 20 years in the market GE Digital Energy is announcing the discontinuation of the BUS 1000 and 2000.

Customers may continue to place orders for these products until March 31st, 2014. Customers that place orders on or after April 1st, 2014 will be contacted by the GE Digital Energy Commercial team and advised of available alternative products for their applications.

Continuation of Support

GE will continue to provide repair and support for the next three years based on the availability of components and parts.

Recommended Alternative Products

MIB BUS DIFFERENTIAL: <http://www.gedigitalenergy.com/products/brochures/mib.pdf>

B30 BUS PROTECTION: <http://www.gedigitalenergy.com/products/brochures/B30.pdf>

B90 BUS DIFFERENTIAL: <http://www.gedigitalenergy.com/products/brochures/B90.pdf>

B95^{Plus} BUS PROTECTION: <http://www.gedigitalenergy.com/products/brochures/B95Plus.pdf>

Feature Comparison

	BUS1000	BUS2000	MIB	B30	B90	B95 ^{Plus}
Typical Applications	HV/MV	HV/MV	MV	HV/MV	HV/MV	HV/MV
High / Low Impedance differential protection	High		High	Low	Low	Low
High Speed Differential Protection	YES		NO	YES	YES	YES
Busbar topologies						
Single bus	YES		YES	YES	YES	YES
Double bus	YES		NO	YES	YES	YES
Breaker-and-a-half	YES		NO	YES	YES	YES

	BUS1000	BUS2000	MIB	B30	B90	B95 ^{Plus}
ANALOGIC / DIGITAL	ANALOGIC	ANALOGIC + DIGITAL MODULE	DIGITAL	DIGITAL	DIGITAL	DIGITAL
Overcurrent Protection	YES		NO	YES	YES	YES
Breaker Failure	YES		NO	YES	YES	YES
Undervoltage function	NO		NO	YES	YES	YES
CT saturation detector	NO		NO	YES	YES	YES
VT supervision	NO		NO	YES	YES	YES
Auxiliary transformers required	YES		NO	NO	NO	NO
Cut-Out Dimensions (per single protection box)	19" rack, 4U	19" rack, 4U	19" rack, 4U	19" rack, 4U	19" rack, 4U	19" rack, 4U
Check Zone	YES	YES	NO	YES	YES	YES
Max number of feeders	30 in single busbar and 20 in double busbar		(1)	8 / 1 zone	24 / 4 zones	24 / 6 zones
Oscillography	NO	YES (3)	YES (3)	YES	YES	YES
Event Recorder	NO	YES	NO	YES	YES	YES
Ethernet ports	NO	NO	NO	YES	YES	YES
Communication protocols	-	Modbus RTU	Modbus RTU	(2)	(2)	(2)
Network security	NO		NO	YES	YES	YES
PRP support	NO		NO	YES	YES	NO
Allow different CT ratio	YES		NO	YES	YES	YES
Direct I/O messaging	NO		NO	YES	YES	YES
Centralized / Decentralized	CENTRALIZED		CENTRALIZED	CENTRALIZED	CENTRALIZED	DECENTRALIZED
Accepts IEC61850-9-2 Process Bus (brick)	NO		NO	YES	NO	YES

(1) MIB can ONLY be used in single bus configurations with ALL CTs having the same ratio

(2) Multiple protocols available

- IEC 61850 • DNP 3.0
- IEEE 1588, SNTP for time synch
- IEC 60870-5-103 and IEC 60870-5-104
- Modbus RTU, Modbus TCP/IP
- Ethernet Global Data (EGD)
- PRP as per IEC 62439-3

(3) Just oscillography for differential currents

If you require additional information or support, contact our Technical Support Team.

GE Technical Support

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