

# BE1-11 DIGITAL PROTECTION SYSTEM: ONE POWERFUL AND INTUITIVE PRODUCT FOR MANY APPLICATIONS






**KEEP CONTROL  
OF YOUR SYSTEM  
WITH BE1-11  
EASY SETTINGS**

The BE1-11 digital protection system is designed with many features to address reliability issues that can arise from programming complexity.

Correctly setting a protection system has never been easier than with the BE1-11. With BESTspace™ files, multiple BESTlogic™ Plus preprogrammed logic schemes and associated application notes, you can be confident your protection is configured correctly.

Visit [www.basler.com](http://www.basler.com) for technical resources



	FEEDER	GENERATOR	INTERTIE	MOTOR	TRANSFORMER
					
	<b>BE1-11f</b>	<b>BE1-11g</b>	<b>BE1-11i</b>	<b>BE1-11m</b>	<b>BE1-11t</b>
	Distribution feeder protection, control, monitoring, and metering, plus directional and nondirectional overcurrent, feeder management, load-shedding, and reclosing functions for industrial and utility feeders and bus applications. Enhanced feeder option available.	Generator protection, control, monitoring, and metering for applications including power plants, backup generation, portable power, and distributed generation. Differential and synchronizer options available.	Intertie protection, control, monitoring, and metering for the point of common coupling (PCC) between non-utility distributed generation and the electric utility. Meets IEEE 1547-2003 Intertie Protection Standard.	Complete motor protection, control, monitoring, and metering for induction and synchronous motors. Provides functions needed to monitor and control normal and emergency start operation. Differential and RTD options available.	Protection, control, monitoring, and metering for two-winding transformers. Differential and extensive frequency protection for generation step-up and distribution feeder step-down intertie and network transformers included. Enhanced transformer option available.
Communications options shared by each application					
<span>IEC 61850</span> <span>Modbus™</span> <span>DNP3</span> <span>Ethernet</span>					
Elements shared by each application					
<span>BESTCOMSPPlus®</span> <span>27</span> <span>43</span> <span>46</span> <span>47</span> <span>49 RTD</span> <span>50</span> <span>51</span> <span>59</span> <span>60</span> <span>62</span> <span>81</span> <span>86</span> <span>101</span> <span>BF</span> <span>Analog I/O</span> <span>SEF</span>					
BE1-11f specific elements	BE1-11g specific elements	BE1-11i specific elements	BE1-11m specific elements	BE1-11t specific elements	
<span>21</span> <span>24</span> <span>25</span> <span>32</span> <span>67</span> <span>79</span>	<span>21</span> <span>24</span> <span>25</span> <span>25A</span> <span>32</span> <span>40</span> <span>64G</span> <span>67</span> <span>78OOS</span> <span>78V</span> <span>87*</span> <span>87N*</span>	<span>24</span> <span>25</span> <span>32</span> <span>67</span> <span>79</span> <span>78V</span>	<span>32</span> <span>37</span> <span>48</span> <span>49TC</span> <span>55</span> <span>66</span> <span>87</span>	<span>21</span> <span>24</span> <span>25</span> <span>51TF</span> <span>67</span> <span>79</span> <span>87</span> <span>87N</span>	
	<small>*Options only available in J-case.</small>		<small>Only available in J-case.</small>	<small>Only available in J-case.</small>	

00 Standard feature    00 Optional feature

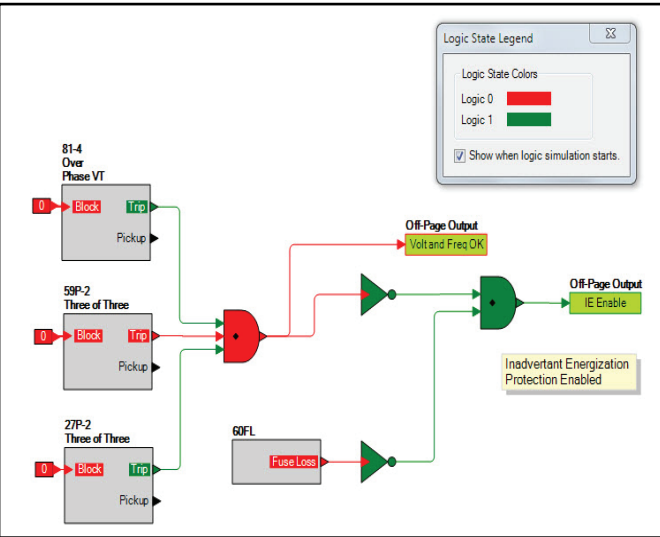
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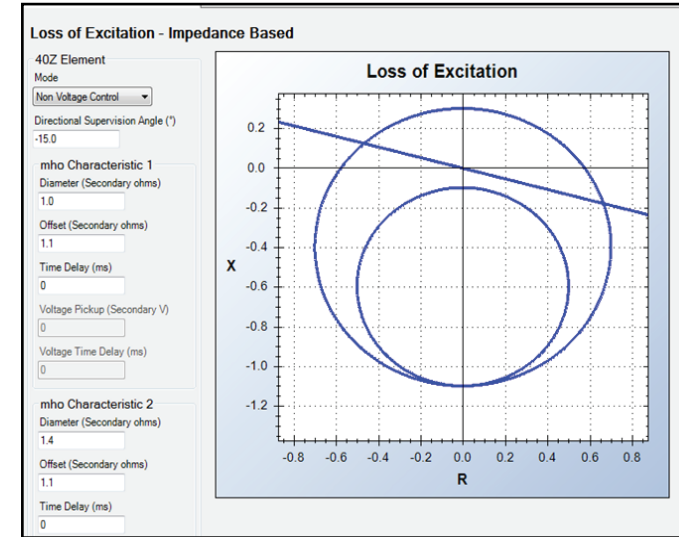
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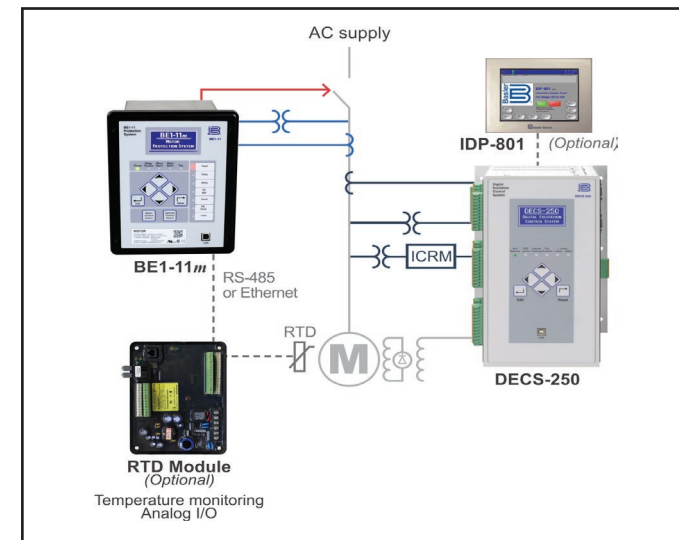
# POWERFUL AND INTUITIVE BESTCOMS<sup>Plus</sup><sup>®</sup> MAKES PROTECTION DESIGN AND METERING EASY



- Intuitive, graphical settings with error checking and summary screens make it easy to set the relay with confidence.
- Drag and drop logic with user-defined labels and user notes makes logic easy to set up and understand.
- Offline simulator reduces costly errors and delays at commissioning, allowing logic to be fully evaluated before installing it in the relay.



- Full metering features include phasor diagrams, harmonic content and status data to provide complete status information of protected system.
- Full reports include distance to fault, sequence of events and load profile information for system analysis.



For more information about the BE1-11 system, please visit our download section: [www.basler.com](http://www.basler.com)

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