

[GE LEGACY DOCUMENT]

# WavePro™ low voltage power circuit breakers

The ultimate assurance in uptime and reliability

GE legacy product  
documentation



*GE's new design delivers flexibility and reliability — providing maximum security and value to meet your business's electrical needs*



Building on GE ED&C's extensive experience and proven excellence in power circuit breaker technology, the new WavePro™ line takes power circuit breaker performance to a higher level of quality, reliability and value.

WavePro low voltage power circuit breakers are designed for use in the most demanding environments and rigorous applications. Built for consistent reliability, they provide the ultimate in system protection to ensure maximum uptime for your critical power applications.

When your facility requires new switchgear for distribution, engine generator or UPS backup power systems, specify WavePro breakers — the industry's most robust low voltage power circuit breakers.

*WavePro breakers have the features that customers demand*

- True closed door drawout design allows for maximum operator safety while inserting or withdrawing breaker
- Key operating information is clearly visible on the front of the breaker, eliminating the need to open the equipment door to access this information
- Dedicated breaker accessories and secondary disconnect points allow for one standardized breaker wiring diagram
- Redesigned and improved breaker-to-equipment integration ensures easier, more robust drawout operation
- Field installable accessories install easily with minimal adjustments required
- Three choices of advanced, GE solid-state trip units:
  - New Power+™
  - MicroVersaTrip Plus™
  - MicroVersaTrip PM™



Removable arc chutes provide quick access to main contacts

Engraved metal nameplate — 15-digit catalog number, rating and serial number

Trip unit — Power+, MicroVersaTrip Plus or MicroVersaTrip PM

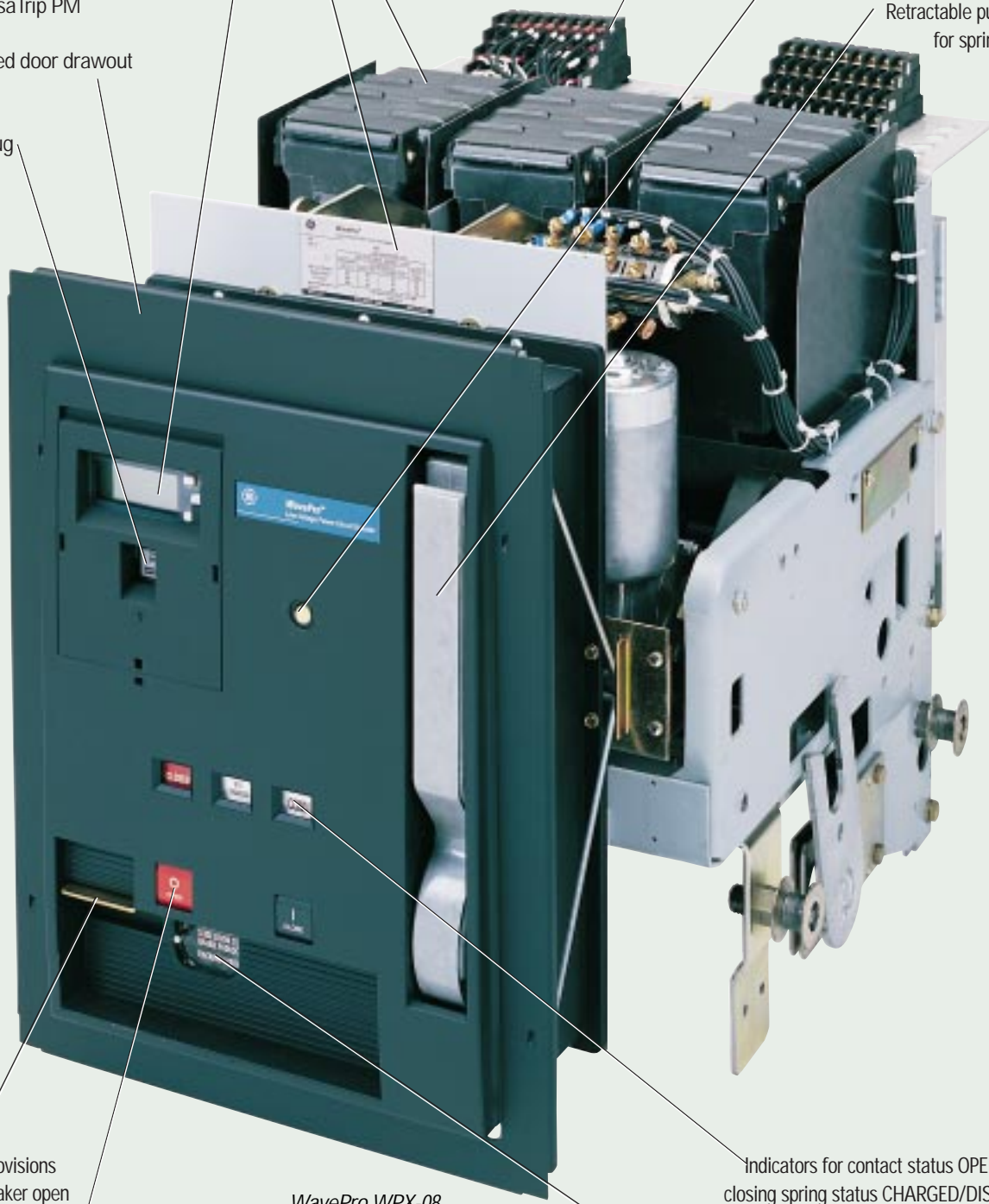
True closed door drawout capability

Rating Plug

Secondary disconnects — up to 72 secondary disconnect points — dedicated terminals for all accessories

Optional Bell Alarm with target — with or without lockout

Retractable pump handle for spring charging



Padlock provisions (keeps breaker open and trip free)

Operating push buttons OPEN/CLOSE

WavePro WPX-08  
800 amp frame, 65 kAIC

Indicators for contact status OPEN/CLOSED, closing spring status CHARGED/DISCHARGED, drawout position CONNECT/TEST/DISCONNECT

Drawout mechanism access cover



### Specifications

- 100% rated 800, 1600, 2000, 3200, 4000 and 5000 amp frame sizes
- Drawout metal frame construction simplifies maintenance and adds durability for long life
- Designed to meet IEEE/ANSI C37.13, C37.16, C37.17, and tested to ANSI C37.50
- UL1066 listed for use in UL 1558 switchgear
- Listed and labeled to CSA C22.2

### Accessories (all are field installable)

- Complete range of voltage ratings available
- Remote close, shunt trip, undervoltage and electric lockout
- Auxiliary switches (4 or 7 stage)
- Remote charge indication
- Bell alarm with manual reset target — with or without lockout
- “Hidden On” button
- Operations counter

### Additional Features

- True closed door drawout design for maximum operator safety and quick access to breaker data
- Integral flush mounted spring charging handle — standard on manually and electrically operated breakers
- Up to 72 secondary disconnect points — all breaker accessories have dedicated wiring points
- Charge after close mechanism — all frame sizes
- New line of simplified OEM substructures and accessories available
- Optional safety shutters for substructures and equipment
- Easily accessible breaker lockout features

### World-class Documentation

- New breaker catalog numbering system simplifies selection, ordering and invoicing for improved accuracy and convenience
- Complete users’, maintenance and renewal parts guides available
- All breaker information available on CD-ROM, including AutoCAD templates for OEMs
- WavePro breaker maintenance video

### Breaker ratings summary

Rated AC Voltage, Nominal (max)	Breaker Type	Frame Size (amps)	Short-Circuit RMS Symmetrical kA		
			Short-Time Withstand	With Instantaneous Trip	Without Instantaneous Trip
600 (635)	WPS-08	800	30	30	30
	WPH-08	800	42	42	42
	WPX-08	800	50	50	50
	WPS-16	1600	42	42	42
	WPH-16	1600	65	65	65
	WPS-20	2000	65	65	65
	WPS-32	3200	65	65	65
	WPH-32	3200	85	85	85
480 (508)	WPS-08	800	30	30	30
	WPH-08	800	42	42	42
	WPX-08	800	65	65	65
	WPS-16	1600	50	50	50
	WPH-16	1600	65	65	65
	WPS-20	2000	65	65	65
	WPS-32	3200	65	65	65
	WPH-32	3200	85	85	85
240 (254)	WPS-08	800	30	42	30
	WPH-08	800	42	50	42
	WPX-08	800	65	65	65
	WPS-16	1600	50	65	50
	WPH-16	1600	65	65	65
	WPS-20	2000	65	65	65
	WPS-32	3200	65	85	65
	WPH-32	3200	85	130	85
	WPS-40	4000	85	130	85
	WPS-50	5000	85	130	85

### Fused breaker rating (maximum 600Vac 50/60 Hz)

Breaker Type	Frame Size (amps)	Fuse Rating, Amps		Interrupting Rating RMS Symmetrical kA
		Min.	Max.	
WPF-08	800	300	1600	200
WPF-16	1600	450	2500	200
WPS-20 <sup>②</sup>	2000	2000	2500	200
WPS-32 <sup>②</sup>	3200	2000	4000	200
WPS-40 <sup>②</sup>	4000	2000	5000	200
WPS-50 <sup>②</sup>	5000	2000	5000	200

① The maximum fuse rating is the largest fuse that tests show will result in proper performance of the breaker and fuse in combination under short-circuit conditions.

② Fuses are mounted on separate fuse roll-out element.



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