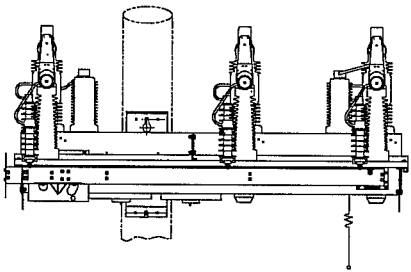


Table 2. Disconnect Style IntelliRupter PulseCloser Fault Interrupters^{①②}

Mounting Configuration	Standard Mounting/ Operating Arrangement ^③	Ratings				Catalog Number ^⑤
		kV		Amperes, RMS		
		Max	BIL	Cont. ^④	Interrupting Symmetrical	
Upright-Crossarm 	★	15.5	110		16 000 ^⑥	248122
	★	27	125	630	12 500 ^⑦	248123
	ED-857	38	170		12 500 ^⑦	248124

① For adequate power to be available from the integral power module(s), the base of the IntelliRupter fault interrupter must be grounded.

② When applied on a system that is *not* solidly grounded, uni-grounded, grounded through a grounding transformer, or resonant-grounded through a Peterson coil, total system phase-to-ground capacitance must be sufficient to reduce the neutral-voltage shift produced by the integral power module(s). Refer to the nearest S&C Sales Office.

③ The Standard Mounting arrangement is designated by the erection drawing (ED) number shown.

④ Allowable continuous current capability: 800 amperes with a minimum wind velocity of 2 ft./sec.

⑤ Includes on-site user training on setup, configuration, and operation of IntelliRupter Fault Interrupter. These services apply to first-time orders only; they can be provided for subsequent orders as indicated in Table 12 on page 17.

⑥ 24.8-kA asymmetrical interrupting and making.

⑦ 20-kA asymmetrical interrupting and making.

★ ED-851 for pole mounting, ED-853 for pedestal mounting.

Table 3. Control Power Source—One Control Power Source Must Be Specified

Item		Voltage Range, kV L—L	Suffix to be Added to Catalog Number
Integral Power Modules for Use on 60-Hz Systems	One Integral Power Module Fed from One Phase on One Side	11.43–15.5	-P162
		18.81–27	-P163
		23.8–38.0	-P165
	One Integral Power Module Fed from One Phase on One Side Plus External Power Supply ^①	11.43–15.5	-P362
		18.81–27	-P363
		23.8–38.0	-P365
	Two Integral Power Modules Fed from a Different Phase on Both Sides	11.43–15.5	-P262
		18.81–27	-P263
		23.8–38.0	-P265
	Two Integral Power Modules Fed from a Different Phase on Both Sides Plus External Power Supply ^①	11.43–15.5	-P462
		18.81–27	-P463
		23.8–38.0	-P465
	External Power Supply Only ^①	—	-P300
Integral Power Modules for Use on 50-Hz Systems	One Integral Power Module Fed from One Phase on One Side	9–12	-P151
		14–19.2	-P152
		20–24	-P153
		23.0–33.0	-P154
	One Integral Power Module Fed from One Phase on One Side Plus External Power Supply ^①	9–12	-P351
		14–19.2	-P352
		20–24	-P353
		23.0–33.0	-P354
	Two Integral Power Modules Fed from a Different Phase on Both Sides	9–12	-P251
		14–19.2	-P252
		20–24	-P253
		23.0–33.0	-P254
	Two Integral Power Modules Fed from a Different Phase on Both Sides Plus External Power Supply ^①	9–12	-P451
		14–19.2	-P452
		20–24	-P453
		23.0–33.0	-P454
	External Power Supply Only ^①	—	-P350

^① Accepts 90- to 259-Vac, 50/60-Hz primary source input; accepts 90- to 259-Vac, 50/60-Hz or 19- to 60-Vdc or 100- to 360-Vdc secondary source input.

Table 4. Control Groups—One Control Group Must Be Specified

Item	Suffix to be Added to Catalog Number
<p>Standard Control Group—For IntelliTeam SG Automatic Restoration, automatic source transfer, automatic loop restoration, SCADA, and stand-alone (non-communicating) applications. Includes IntelliTeam SG Bronze Level Software. Optional IntelliTeam SG Silver Level Software provides suitability for basic closed-loop applications. Optional IntelliTeam SG Gold Level Software provides suitability for basic closed-loop applications and applications on systems with three or more sources.</p> <p>No batteries are required for stand-alone applications and application with operating times of 30 seconds or less; ac line voltage must be available on the side of the IntelliRupter fault interrupter with the integral power module or control power must be available from the external power supply, if furnished.</p> <p>Specify communication device, if required for the application, from Table 7 on page 14. All team devices must be furnished with the same type of communication device.</p> <p>IntelliTeam Designer Configuration and License Management Software is required to activate IntelliTeam SG Software</p>	-C0
<p>Standard Control Group with Battery Backup—Identical to the Standard Control Group but additionally includes batteries that support operation for a minimum of four hours after loss of ac line voltage on both sides of IntelliRupter Fault Interrupter, permitting extended dead-line switching.</p> <p>Specify communication device, if required for the application, from Table 7 on page 14. All team devices must be furnished with the same type of communication device.</p> <p>IntelliTeam Designer Configuration and License Management Software is required to activate IntelliTeam SG Software</p>	-C1
<p>Universal Control Group—Identical to the Standard Control Group with Battery Backup. Includes either IntelliTeam SG Gold Level Software and IntelliTeam Designer Configuration and License Management Software or IntelliTeam II Software License, as specified.</p> <p>For IntelliTeam SG Automatic Restoration System specify one IntelliTeam Design Slot part number 008-007006-01 and one IntelliRupter PulseCloser Fault Interrupter Gold License part number 008-007101-01. This license requires an IntelliTeam SG qualified communication device from the communication device options listed in Table 7 on page 14.</p> <p>For IntelliTeam II Automatic Restoration System specify one IntelliTeam Design Slot part number 008-007006-03◆ and one IntelliRupter PulseCloser Fault Interrupter IntelliTeam II License part number 008-007106-01. This license requires an IntelliTeam II qualified communication device from the communication device options listed in Table 7 on page 14.</p> <p>When ordering enter the selected licenses as separate line items as included in the above and specify communication device, if required for the application, from Table 7 on page 14. All team devices must be furnished with the same type of communication device</p>	-C7

◆ The 008-007106-01 license should not be confused with IntelliTeam SG Automatic Restoration System operating in IntelliTeam II mode. IntelliTeam SG Automatic Restoration System operating in IntelliTeam II mode requires an IntelliTeam SG Automatic Restoration System qualified communication device.



Table 5. Optional Features—Continued

Item		Suffix to be Added to Catalog Number
MacLean Power Systems Zforce Type ZHP (heavy duty) polymer-housed metal-oxide surge arresters—factory-installed and wired on both sides of the IntelliRupter fault interrupter. Arresters include insulated mounting brackets and integral ground-lead disconnects. Arresters are solidly grounded to IntelliRupter fault interrupter base; a separate ground strap between arresters is not needed ^⑥	3 kV, 2.55 kV MCOV ^⑤	-N9
	6 kV, 5.1 kV MCOV ^⑤	-N10
	9 kV, 7.65 kV MCOV ^⑤	-N1
	10 kV, 8.4 kV MCOV ^⑤	-N2
	12 kV, 10.2 kV MCOV ^⑤	-N3
	15 kV, 12.7 kV MCOV ^⑤	-N4
	18 kV, 15.3 kV MCOV ^⑤	-N5
	21 kV, 17.0 kV MCOV ^⑤	-N6
	24 kV, 19.5 kV MCOV ^⑤	-N7
	27 kV, 22.0 kV MCOV ^⑤	-N8
	30 kV, 24.0 kV MCOV ^⑤	-N11
	36 kV, 29.0 kV MCOV ^⑤	-N12
Ten-Year IntelliRupter Fault Interrupter Warranty—In lieu of standard two-year warranty. Matches standard 10-year warranty for control groups		-T1
Wildlife Protection	For Non-Disconnect Style IntelliRupter fault interrupter	-W1
	For Disconnect Style IntelliRupter fault interrupter	-W2
15.5-kV IntelliRupter fault interrupter furnished with interrupters tested and certified to meet 27 kV		-Z3

① A whip antenna is not provided when this option is specified. If a whip antenna is needed for testing or temporary use, specify Catalog Number 904-000071-00.

② Use only with Option Suffix "-R201."

③ All labels are available. Contact the nearest S&C Sales Office for screen availability.

④ The "-M" option suffixes are only used with compact-style units Catalog Numbers 248612 and 248613. Compact-style units rely on the substation bus for protection on the source side, and the "-M" option suffix only provides arresters on the load side.

⑤ MCOV=Maximum Continuous Operating Voltage, RMS. MCOV must $\geq 1.2 \times$ actual line-to-ground voltage, RMS.

⑥ The "-N" option suffixes are not used with compact-style units Catalog Numbers 248612 and 248613.