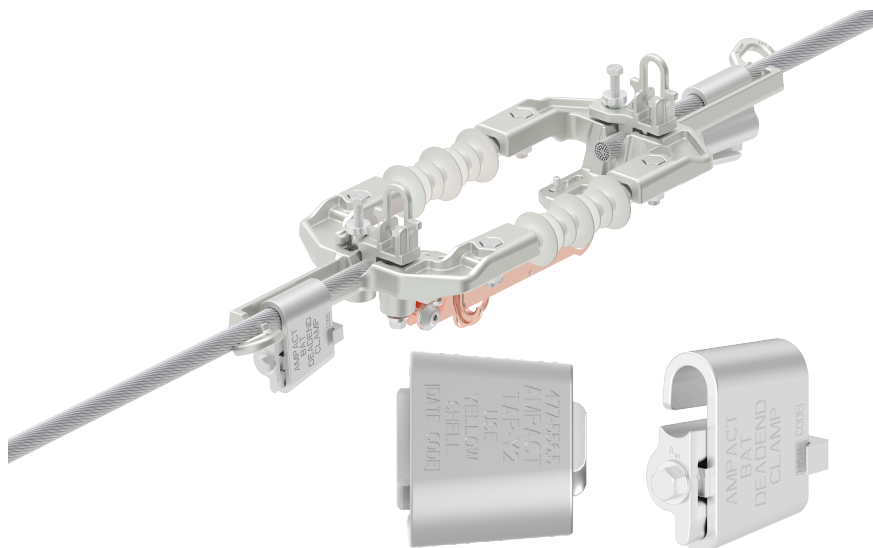


AMPACT IN-LINE DISCONNECT SWITCHES ILD-II

FOR 15 kV TO 69 kV CLASS



APPLICATIONS

- Overhead Power Networks

RELEVANT STANDARDS AND TEST REPORTS

- RUS Listed
- ANSI: C119.4, C37.32, C37.34
- IEEE: C37.30
- CSA: C83.71

EASY INSTALLATION WITH STANDARD AMPACT TOOLING OR IMPACT WRENCH OR ON LIVE LINE USING HOT-STICK.

KEY FEATURES

- Both mechanical and electrical connection made simultaneously with the AMPACT tap
- No line tensioning devices required for installation
- Double string of polymeric insulators prevents rolling of the switch
- Copper disconnect blade assembly suspended below the insulators simplifying the cutting of conductor

TE Connectivity (TE) AMPACT In-Line Disconnect Switches (ILD-II) are designed to provide reliable sectionalizing of overhead power lines for maintenance or emergency isolation—resulting in reduced outage time.

The proven performance of AMPACT dead-end technology has been used in the design of the AMPACT ILD-II switches. The dead-end yokes are bolted to two polymeric insulators. The copper blade assemblies are connected to the AMPACT dead-end yoke assemblies between and below the double string of insulators. These provide adequate space for cutting the conductor after installation of the AMPACT dead-end fired-on or bolted taps.

Standard AMPACT tap application procedures are used to make electrical and mechanical connections simultaneously. Our ILD-II switches can be installed on standard stranded all-aluminum conductors (AAC) or aluminum conductor steel reinforced (ACSR) in conductor sizes from #2 to 1033.5 MCM.

PRODUCT SELECTION - CLASS 900A

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	15 kV, 110 kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
X-SMALL	#2 1/0 (6/1) 2/0 (6/1)	#2(†) 1/0 2/0	1-83843-4	2478685-7	1-1710723-1 * 1-1710725-2**	2498304-1* 2499122-1**	1710722-6* 1710724-6**
SMALL	3/0 (6/1) 4/0 (6/1)	4/0	83843-7	2478685-6	1710723-2* 1710725-2**	2498304-2* 2499122-2**	1710722-2* 1710724-2**
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	1710723-3* 1710725-3**	2498304-3* 2499122-3**	
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(†)	336.4, 350, 397.5	83843-2	2478685-4	1710723-4* 1710725-4**	2498304-4* 2499122-4**	1710722-3* 1710724-3**
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	1710723-5* 1710725-5**	2498304-5* 2499122-5**	
LARGE	477.0 (26/7), 556.5 (18/1)	556.5	83843-4	2478685-4	1710723-6* 1710725-6**	2498304-6* 2499122-6**	1710722-4* 1710724-4**
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710723-7* 1710725-7**	2498304-7* 2499122-7**	
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710723-8* 1710725-8**	2498304-8* 2499122-8**	1710722-9* 1710724-9**
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710723-9* 1710725-9**	2498304-9* 2499122-9**	

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	29 kV, 150 kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
X-SMALL	#2 1/0 (6/1) 2/0 (6/1)	#2(†) 1/0 2/0	1-83843-4	2478685-7	1-1710727-1* 1-1710729-3**	2499169-1* 2499172-1**	1710726-6* 1710728-6**
SMALL	3/0 (6/1) 4/0 (6/1)	4/0	83843-7	2478685-6	1710727-2* 1710729-2**	2499169-2* 2499172-2**	1710726-2* 1710728-2**
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	1710727-3* 1710729-3**	2499169-3* 2499172-3**	
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(†)	336.4, 350, 397.5	83843-2	2478685-4	1710727-4* 1710729-4**	2499169-4* 2499172-4**	1710726-3* 1710728-3**
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	1710727-5* 1710729-5**	2499169-5* 2499172-5**	
LARGE	477.0 (26/7), 556.5 (18/1)	556.5	83843-4	2478685-4	1710727-6* 1710729-6**	2499169-6* 2499172-6**	1710726-4* 1710728-4**
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710727-7* 1710729-7**	2499169-7* 2499172-7**	
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710727-8* 1710729-8**	2499169-8* 2499172-8**	1710726-9* 1710728-9**
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710727-9* 1710729-9**	2499169-9* 2499172-9**	

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	35 kV, 200 kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
X-SMALL	#2 1/0 (6/1) 2/0 (6/1)	#2(†) 1/0 2/0	1-83843-4	2478685-7	1-1710731-3* 1-1710733-3**	2499177-1* 2499178-1**	1710730-6 * 1710732-6**
SMALL	3/0 (6/1) 4/0 (6/1)	4/0	83843-7	2478685-6	1710731-2* 1710733-2**	2499177-2* 2499178-2**	1710730-2* 1710732-2**
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	1710731-3* 1710733-3**	2499177-3* 2499178-3**	
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(†)	336.4, 350, 397.5	83843-2	2478685-4	1710731-4* 1710733-4**	2499177-4* 2499178-4**	1710730-3* 1710732-3**
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	1710731-5* 1710733-5**	2499177-5* 2499178-5**	
LARGE	477.0 (26/7), 556.5 (18/1)	556.5	83843-4	2478685-4	1710731-6* 1710733-6**	2499177-6* 2499178-6**	1710730-4* 1710732-4**
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710731-7* 1710733-7**	2499177-7* 2499178-7**	
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710731-8* 1710733-8**	2499177-8* 2499178-8**	1710730-9* 1710732-9**
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710731-9* 1710733-9**	2499177-9* 2499178-9**	

*Kline insulator and S&C Blades; ** Kline insulators and Royal Blades; (†) Wire size installed with Fired On Tap; (‡) Wire size installed with Bolted Tap

PRODUCT SELECTION - CLASS 900A

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	46 kV, 250 kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
X-SMALL	#2 1/0 (6/1) 2/0 (6/1)	#2(†) 1/0 2/0	1-83843-4	2478685-7	1-1710735-0*	2499179-1**	1710734-5**
SMALL	3/0 (6/1) 4/0 (6/1)	4/0	83843-7	2478685-6	1710735-1**	2499179-2**	1710734-1**
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	1710735-2**	2499179-3**	
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(†)	336.4, 350, 397.5	83843-2	2478685-4	1710735-3**	2499179-4**	
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	1710735-4**	2499179-5**	1710734-2**
LARGE	477.0 (26/7), 556.5 (18/1)	556.5	83843-4	2478685-4	1710735-5**	2499179-6**	
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710735-6**	2499179-7**	1710734-3**
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710735-7**	2499179-8**	
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710735-8**	2499179-9**	

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	65 kV, 350 kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
X-SMALL	#2 1/0 (6/1) 2/0 (6/1)	#2(†) 1/0 2/0	1-83843-4	2478685-7	1-1710737-0**	2499180-1**	1710736-5**
SMALL	3/0 (6/1) 4/0 (6/1)	4/0	83843-7	2478685-6	1710737-1**	2499180-2**	1710736-1**
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	1710737-2**	2499180-3**	
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(†)	336.4, 350, 397.5	83843-2	2478685-4	1710737-3**	2499180-4**	
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	1710737-4**	2499180-5**	1710736-2**
LARGE	477.0 (26/7), 556.5 (18/1)	556.5	83843-4	2478685-4	1710737-5**	2499180-6**	
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710737-6**	2499180-7**	1710736-3**
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710737-7**	2499180-8**	
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710737-8**	2499180-9**	

*Kline insulator and S&C Blades; ** Kline Insulators and Royal Blades; (†) Wire size installed with Fired On Tap; (‡) Wire size installed with Bolted Tap

PRODUCT SELECTION - CLASS 1200A

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	15 kV, 110kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	---	2502677-1**	1710886-1**
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(†)	336.4, 350, 397.5	83843-2	2478685-4	1710883-1**	2502677-2**	
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	---	2502677-3**	
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710883-2**	2502677-4**	1710886-2**
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710883-3**	2502679-4**	
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710883-4**	2502679-6**	

**Kline insulators and Royal Blades; (†) Wire size installed with Fired On Tap; (‡) Wire size installed with Bolted Tap

PRODUCT SELECTION - CLASS 1200A

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	29 kV, 150kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	---	2502679-1**	1710887-1**
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(‡)	336.4, 350, 397.5	83843-2	2478685-4	1710884-1**	2502679-2**	
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	---	2502679-3**	---
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710884-2**	2502679-4**	1710887-2**
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710884-3**	2502679-5**	
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710884-4**	2502679-6**	

Conductors Accommodated			Dead-end Fired On Taps	Dead-end Bolted Taps	35 kV, 200kV BIL		
Body Size	ACSR	AAC			w/ Fired On Taps(†)	w/ Bolted Taps(‡)	w/o Taps
SMALL	266.8 (18/1), (26/7)	266.8	83843-1	2478685-5	---	2502680-1**	1710888-1**
SMALL	266.8 (26/7)(†), 336.4 (18/1), (26/7), (30/7)(‡)	336.4, 350, 397.5	83843-2	2478685-4	1710885-1**	2502680-2**	
LARGE	336.4 (30/7)(‡), 397.5 (18/1), (24/7), (26/7), (30/7), 477.0 (18/1)	450, 477, 500	83843-3	2478685-5	---	2502680-3**	---
X-LARGE	477.0 (30/7), 556.5 (24/7), (26/7), (30/7), 605.0 (24/7), (26/7), 636 (18/1), (36/1)	600, 636, 650	83843-5	2478685-3	1710885-2**	2502680-4**	1710888-2**
X-LARGE	605 (30/19), 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7)	715.5, 750, 795	83843-6	2478685-2	1710885-3**	2502680-5**	
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	2478685-1	1710885-4**	2502680-6**	

**Kline insulators and Royal Blades; (†) Wire size installed with Fired On Tap; (‡) Wire size installed with Bolted Tap

PERFORMANCE CHARACTERISTICS	Installation Instructions
• Voltage: 15 kV (110 kV BIL), 29 kV (150 kV BIL), 35 kV (200 kV BIL) 46 kV (250 BIL) 69 kV (350 kV BIL) • Current: 900 and 1200 Amps • Frequency: 60Hz • Momentary Current: 40,000 Amps • Short Time Current: 25,000 Amps, 3 sec.	• Instruction Sheet: PII 56078
	Test Reports
	• 900A: 502-47376 • 1200A: 502-47388

Learn more: [TE.com/energy](https://www.te-connectivity.com/energy)

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