



AMPACT In-Line Disconnect Switch (ILD-II) 15 kV to 69 kV Class

KEY FEATURES

- Installation with standard AMPACT tooling
- Quick, easy manual or hot-stick application
- 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

The AMPACT ILD-II combines the reliability of copper blade components and a doublestring of polymeric insulators with the AMPACT deadend yoke assembly. The result is an in-line disconnect that can be installed without the need for tensioning devices.

The proven performance of AMPACT deadend technology has been utilized in the design of the AMPACT ILD-II. The deadend yokes are bolted to two (2) polymeric insulators. The copper blade assembly is connected to the AMPACT deadend yoke assemblies between and below the double string of insulators. This provides adequate space for cutting the conductor after installation of the AMPACT deadend taps.

Standard AMPACT tap application procedures are used to make both electrical and mechanical connections simultaneously. The AMPACT ILD-II can be installed on standard stranded all aluminum conductors (AAC) or aluminum conductor steel reinforced (ACSR) in conductor sizes from 1/0 to 954. In addition to its original function, to help install the switch on the conductor, the uniquely designed eye keeper doubles as a mechanical clamp to increase the conductor pulling-out strength in excess of 7500 lbs without slipping or damage to conductor.

The integral pulling eye on the body of the AMPACT deadend yoke assembly is provided to the attachment of line tensioning devices if removal of the AMPACT ILD switch is required. The tensile rating of the pulling eye is 6,000 lbs, while the AMPACT dead-end yoke assembly is rated at 10,000 lbs tensile.

Electrical ratings are provided in the performance characteristic tables.

The unique AMPACT ILD design allows for positioning of cutters between the double insulator assembly. The conductor can be cut between the AMPACT deadend yoke assemblies and the ends bent

back, or if using the new keepers, it can be cut flush on each end.

- A load break tool can be used up to 35 kv utilizing the attachment hooks provided.
- For Hotsticking Applications C & Wedge Holder 69900 and Piggy Back Clamp 69883 are needed for installation.

PERFORMANCE CHARACTERISTICS

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
Frequency: 60Hz
Momentary Current: 40,000 Amps
Short Time Current: 25,000 Amps, 3 sec.

TECHNICAL DOCUMENTS

Instruction Sheet: PII 56078
Engineering Test Report: 502-47376

CONSTRUCTION

Part numbers shown below use Victor Insulators and Royal Blades except when otherwise indicated.

APPROVALS

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

Conductors Accommodated			Replacements Taps	15 kV, 110 kV BIL		29 kV, 150 kV BIL		35 kV, 200 kV BIL		46 kV, 250 kV BIL		69 kV, 350 kV BIL	
Body Size	ACSR	AAC		w/Taps	w/o Taps	w/Taps	w/o Taps	w/Taps	w/o Taps	w/Taps	w/o Taps	w/Taps	w/o Taps
X-SMALL	1/0 (6/1) 2/0 (6/1)	1/0	1-83843-0	1710725-1	1710724-1	1710729-1	1710728-1	1710733-1	1710732-1	—	—	—	—
SMALL	3/0 (6/1) 4/0 (6/1)	4/0	83843-7	1710725-2	1710724-2	1710729-2	1710728-2	1710733-2	1710732-1	1710735-1*	1710734-1*	1710737-1*	1710736-1*
SMALL	266.8 (18/1)	266.8	83843-1	1710725-3		1710729-3		1710733-3		1710735-2*		1710737-2*	
SMALL	266.8 (26/7) 336.4 (18/1), (26/7), (30/7)	397.5, 336.4, 350	83843-2	1710725-4		1710729-4		1710733-4		1710735-3*		1710737-3*	
LARGE	397.5 (18/1), (24/7), (26/7), (30/7) 477.0 (18/1)	450, 477, 500	83843-3	1710725-5	1710724-3	1710729-5	1710728-3	1710733-5	1710732-3	1710735-4*	1710734-2*	1710737-4*	1710736-2*
LARGE	477.0 (26/7) 556.5 (18/1)	556.5	83843-4	1710725-6		1710729-6		1710733-6		1710735-5*		1710737-5*	
X-LARGE	477.0 (30/7) 556.5 (24/7), (26/7), (30/7) 605 (24/7), (26/7) 636 (18/1), (36/1)	600, 636, 650, 700	83843-5	1710725-7	1710724-4	1710729-7	1710728-4	1710733-7	1710732-4	1710735-6*	1710734-3*	1710737-6*	1710736-3*
X-LARGE	605 (30/19) 636 (26/7), (24/7), (30/19) 666.6 (24/7), (26/7) 795 (36/1), (42/7), (45/7)	715.5, 750, 795	83843-6	1710725-8		1710729-8		1710733-8		1710735-7*		1710737-7*	
X-LARGE	795 (24/7), (26/7), (30/7), (30/19), (54/7)	954	1-83843-1	1710725-9		1710729-9		1710733-9		1710735-8*		1710737-8*	

* K-Line Insulators

TE Technical Support Center

- USA: +1 (800) 327-6996
- Canada: +1 (905) 475-6222
- Mexico: +52 (0) 55-1106-0800
- Latin/S. America: +54 (0) 11-4733-2200
- UK: +44 (0) 800-267666
- France: +33 (0) 1-3420-8686
- Netherlands: +31 (0) 73-6246-999
- China: +86 (0) 400-820-6015

energy.te.com

© 2005, 2007, 2010-2012 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.

9-1773456-0 E380 05/2012
 AMPACT, TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners.



While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.