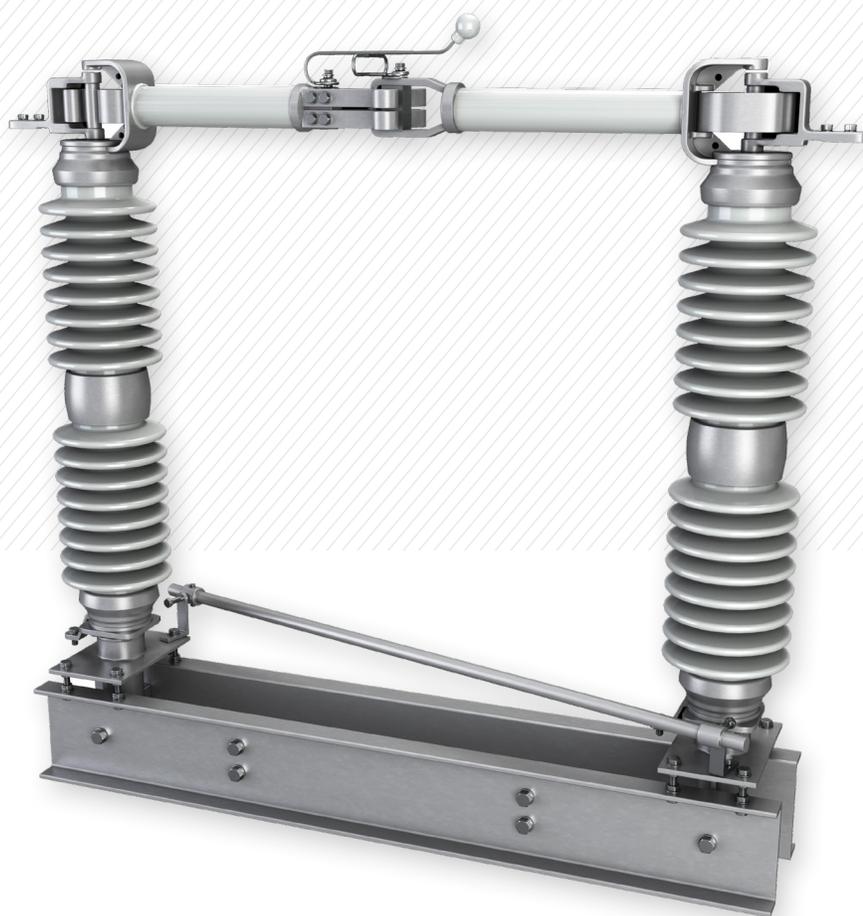


TYPE AGCH5

ALUMINUM CENTER BREAK SWITCH



Product Information

AGCH5 Aluminum Center Break

The AGCH5 is a two insulator, side opening outdoor air disconnect switch constructed primarily of aluminum. Operation is accomplished by the rotation of two insulators making the center break switch the easiest operating of all group operated switches. Proven by years of field experience, this switch takes full advantage of unique construction methods to provide both simple operation and long-term dependability. The AGCH5 is commonly used in three-phase line or substation applications such as transformer or line disconnecting, breaker isolating, bypassing or bus sectionalizing, Operation of the AGCH5 may be accomplished by either manual control or by motor operator.

Features

- **Testing.** The AGCH5 has been extensively tested to meet or exceed current IEEE standards. A comprehensive test brochure is available outlining electrical and mechanical design test conducted on the AGCH5
- **Contacts.** The AGCH5 is supplied with line high pressure silver-to-silver jaw contacts producing the highest conductivity initially and over time. The contact fingers, fabricated from hard drawn copper, are silver plated, then electro-tin plated. The male contact, also of hard drawn copper has a brazed silver overlay and is electro-tin plated. These methods and materials used in the application of the silver provide surfaces of differing hardness with anti-galling properties, resulting in minimal wear over years of operation
- **Blade.** The blade is constructed of heat-treated aluminum tubing with heat-treated aluminum castings welded to hinge and jaw ends.
- **Bearings.** The AGCH5 incorporates rugged switch bearings consisting of stainless-steel balls, utilizing stainless steel balls, stainless steel races, and ductile iron housings and rotors. Factory adjusted stops are provided with the bearing for ease of synchronization during installation.
- **Bases.** Hot dipped structural steel channel is used for the construction of the switch base. Leveling studs are provided on the bearings for insulator alignment. Bases and base mounting dimensions can be customized to your specifications and structure.
- **Laminated shunt.** The laminated conductor is constructed of commercially pure aluminum strip, which does not work harden during operation. Extensive mechanical, electrical, and environmental testing along with years of field experience, prove this approach to current transfer superior to conventional enclosed or open hinge contact designs. Transfer of the current at the hinge end of the blade is accomplished with a welded aluminum laminated conductor, precisely formed and assembled to give thousands of trouble-free operations. This eliminates bolted or sliding pressure connections, threaded joints, or high-pressure contacts and enables ease of operation. Welded connections create a single conductive path from the hinge terminal pad to the jaw end of the blade.

Accessories

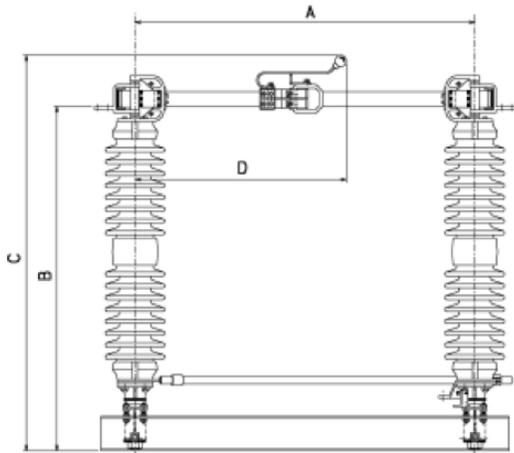
- Grounding switch: Through 100kA momentary
- Auxiliary Switches: Up to 16 contact decks are standard
- Outriggers: Custom designed to your application
- Connectors: Can be added to your switch order upon request

Load Break Devices

- Arcing Horn: Minimum standard on all switches
- High speed quick Whips
- TECORupters
 - Loop Split
 - Full Load



Configurations



- DIMENSIONS SHOWN IN INCHES - WEIGHT SHOWN IN POUNDS (INSULATORS INCLUDED)
- 8.3-72.5 kV 3" BOLT CIRCLE STATION POST INSULATORS
- 123-362 kV 5" BOLT CIRCLE STATION POST INSULATORS
- DIMENSIONS NOT FOR CONSTRUCTION PURPOSES
- CONTACT FACTORY FOR CERTIFIED PRINTS

CATALOG NO.	DIMENSIONS				STD MTG	WEIGHT
	A	B	C	D		1 POLE
AGCH5-00812	24	17 7/8	26 1/8	20 7/8	8 1/4 X 24	96
AGCH5-00820	24	17 7/8	27 1/2	20 7/8	8 1/4 X 24	118
AGCH5-00830	24	26 1/2	35 3/4	18 1/4	8 1/4 X 24	125
AGCH5-00840	27	31 1/8	42 5/8	19	8 1/4 X 27	140
AGCH5-00850	*	*	*	*	*	*
AGCH5-00860	*	*	*	*	*	*
AGCH5-01512	24	20 3/8	28 5/8	20 7/8	8 1/4 X 24	102
AGCH5-01520	24	20 3/8	30	20 7/8	8 1/4 X 24	131
AGCH5-01530	24	28 1/2	37 3/4	18 1/4	8 1/4 X 24	140
AGCH5-01540	27	33 1/8	44 5/8	19	8 1/4 X 27	156
AGCH5-01550	*	*	*	*	*	*
AGCH5-01560	*	*	*	*	*	*
AGCH5-02712	24	24 3/8	32 5/8	20 7/8	8 1/4 X 24	112
AGCH5-02720	24	24 3/8	34	20 7/8	8 1/4 X 24	141
AGCH5-02730	24	31 1/2	40 3/4	18 1/4	8 1/4 X 24	150
AGCH5-02740	27	35 1/8	47 5/8	19	8 1/4 X 27	194
AGCH5-02750	*	*	*	*	*	*
AGCH5-02760	*	*	*	*	*	*
AGCH5-03812	24	28 3/8	36 5/8	20 7/8	8 1/4 X 24	168
AGCH5-03820	24	28 3/8	38	20 7/8	8 1/4 X 24	235
AGCH5-03830	27	37 3/8	44 1/16	23 5/8	8 1/4 X 27	250

* Refer to factory.



Configurations Cont.

CATALOG NO.	DIMENSIONS				STD MTG	WEIGHT
	A	B	C	D		1 POLE
AGCH5-03840	27	38 1/8	52 5/8	19	8 1/4 X 27	265
AGCH5-04812	30	32 3/8	40 5/8	22 1/8	8 1/4 X 30	204
AGCH5-04820	30	32 3/8	42	22 1/8	8 1/4 X 30	274
AGCH5-04830	*	*	*	*	*	*
AGCH5-04840	*	*	*	*	*	*
AGCH5-07212	42	40 3/8	48 5/8	29 3/4	8 1/4 X 42	320
AGCH5-07220	42	40 3/8	48 5/8	29 3/4	8 1/4 X 42	405
AGCH5-07230	48	49	55 1/2	32 1/2	8 1/4 X 48	450
AGCH5-07240	*	*	*	*	*	495
AGCH5-12312	60	60 1/4	68 3/4	37 5/8	8 1/4 x 60	487
AGCH5-12320	60	60 1/4	69 7/8	37 5/8	8 1/4 x 60	523
AGCH5-12330	60	64	70 1/2	37 1/2	8 1/4 x 60	562
AGCH5-12340	60	64 1/8	72 5/8	37 1/4	8 1/4 x 60	655
AGCH5-14512	72	69 1/4	78 1/4	43 1/4	8 1/4 x 72	774
AGCH5-14520	72	69 1/4	78 3/8	43 1/4	8 1/4 x 72	885
AGCH5-14530	72	75	81 1/2	43.5	8 3/4 x 72	910
AGCH5-14540	72	76 1/8	84 5/8	43 1/4	8 3/4 x 72	940
AGCH5-17012	84	80 1/4	89 7/8	48	8 3/4 x 84	950
AGCH5-17020	84	80 1/4	90	48	8 3/4 x 84	1100
AGCH5-17030	84	84	90 1/2	48 1/4	8 3/4 x 84	1200
AGCH5-17040	84	84 1/8	92 5/8	48	8 3/4 x 84	1300
AGCH5-17050	84	84 1/8	96 5/8	57	8 3/4 x 84	1410
AGCH5-24512	96	98 1/2	112 1/2	57 1/2	8 3/4 x 96	1765
AGCH5-24520	96	98 1/2	113 1/2	58	8 3/4 x 96	1026
AGCH5-24530	96	102 1/4	114 1/8	56	8 3/4 x 96	1128
AGCH5-24540	96	101 1/4	112	69	8 3/4 x 96	1970
AGCH5-24550	*	*	*	*	*	2065
AGCH5-36220	132	127 1/4	140	73 3/4	11 x 132	1940
AGCH5-36230	132	130 7/8	143	77 5/8	11 x 132	2030
AGCH5-36240	132	131	140	63 1/2	11 x 132	2125
AGCH5-36250	*	*	*	*	*	2001

* Refer to factory.



Numbering Sequence

AGCH5	V	A	I	P	TR	LB	OP
	008	12	SIP	3	SEE CHART	AH	N
	015	20	SEP	5		QB	SH
	027	30	NA			LI	WG
	038	32	CS			N	MO
	048	40	INC			CS	P
	072	50					SH-P
	123						WG-P
	145						
	170						
	245						
	362						

Variant Configuration Key

- V** - Voltage (kV)
- A** - Current (A)
- I** - Insulator Ship Method
- P** - Pivot Size (inches)
- TR** - Insulator TR
- LB** - Load Break Device
- OP** - Operator

Insulator Shipping Methods

- SIP** - SHIP IN PLACE
- SEP** - SHIPPED SEPARATE
- NA** - INSULATORS NOT INCLUDED
- CS** - CUSTOMER SUPPLIED
- INC** - WITH INSULATORS BULKED PACKED

Load Break Options

- AH** - ARCING HORN
- QB** - QUICK WHIPS
- N** - NONE
- CS** - CUSTOMER SUPPLIED
- LI** - TECORUPTERS OR OTHER
 - **FL** - FULL LOAD
 - **LS** - LOOP SPLIT

Operator Options

- N** - NONE SUPPLIED
- SH** - SWING HANDLE
- WG** - WORM GEAR
- MO** - MOTOR OPERATOR
- P** - MOTOR OP PROVISIONS
- SH-P** - MOTOR OP PROVISIONS SH
- WG-P** - MOTOR OP PROVISIONS WG

Example - AGCH5-14530-SIP5288QBWG

VOLTAGE (KV)		INS TR
NOM	BIL	
8.3	95	202
15.5	110	205
27	150	208
38	200	210
48.3	250	214
72.5	350	216
123	550	286
145	650	288
170	750	291
245	900	304
362	1300	367

CURRENT (A)			
CONT	PEAK	MOM	3 SEC
1200	99,000	61,000	38,000
2000	164,000	100,000	63,000
3000	195,000	120,000	75,000
4000	195,000	120,000	75,000
5000	195,000	120,000	75,000





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Printed in the U.S.A. | TD_10_242_E