

Medium Voltage Change-over Disconnectors

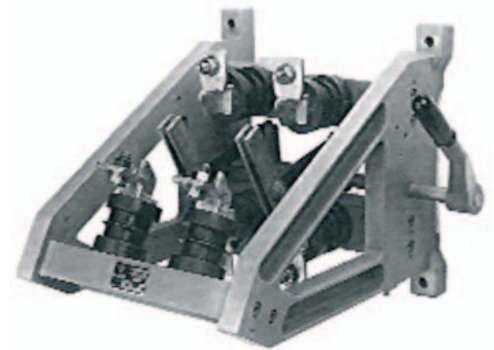
HUVS Range

3.6 kV

400 A to 6.3 kA – up to 175 Hz

Number of poles : 1, 2, 3, ...

- Positions 1-2 (1-0-2 on request)
- Large isolation air and creepage path
- Self-cleaning blade contacts
- True opening and visible distance
- Rugged anti-torsion construction
- Large customisation with :
 - Manual, motor, pneumatic drives
 - Auxiliary switches, blocking magnets
- According to IEC 62271-102
- Dimensions Fitting

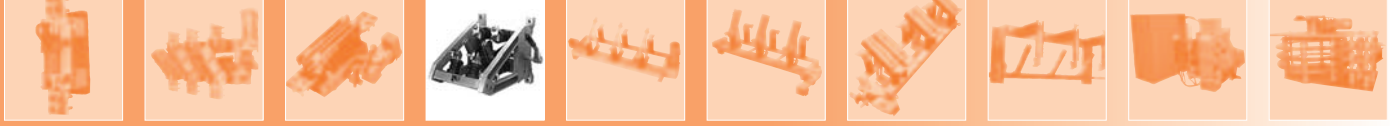


Electrical Characteristics

Rated thermal current		RMS 1 sec short-time withstand current	Rated peak current
AC (A)	DC (A)		
400	400	26	65
630	630	26	65
1000	1250	40	100
1600	1900	52	130
2000	2400	63	160
3150	3750	71	177
4000	5300	71	177
6300	7500	81	214

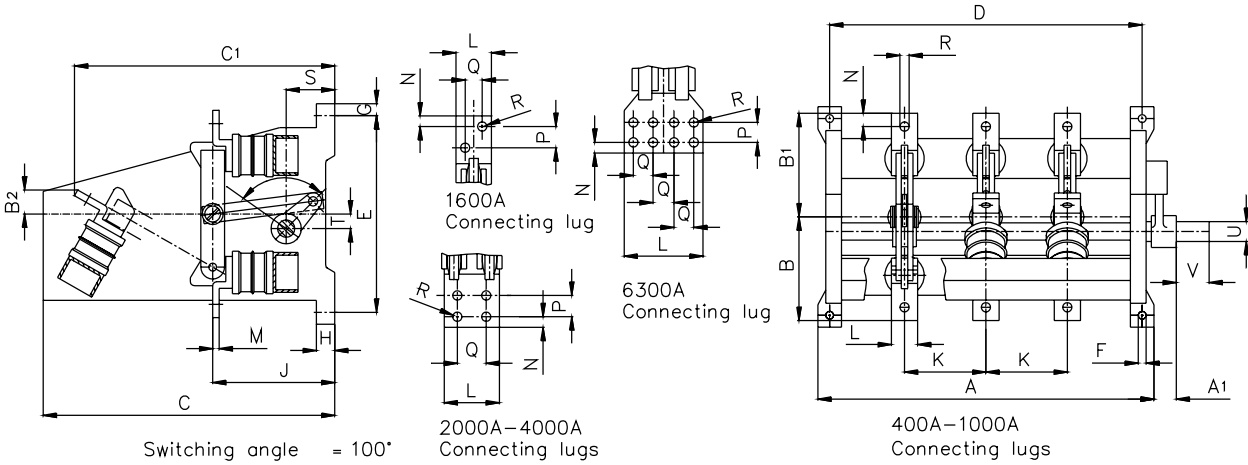
Dielectric withstand voltage 1 min/50 Hz		Rated impulse withstand voltage BIL	
Phase to earth (kV)	Across the isolating distance (kV)	Phase to earth (kV)	Across the isolating distance (kV)
10	12	40	46

- No-load operation
- Indoor type – only vertical mounting
- Mechanical endurance: $\leq 1\text{kA} = 25\ 000$ cycles; $>1\text{kA} = 50\ 000$ cycles (open / close)
- Maximum temperature withstand at 130° C without damages to the switch
- Electrical contact by contact knives with pressed on hard silver contact rivets and silver-plated electrolytic copper plates
- Small making / breaking capacity (on demand)
- Supporting insulators made of cast epoxy resin (fire classification according to UL94-V1)



Main dimensions

HUVS 3.6 kV 400-6300 Amp



Amp	No of Poles	A	A1	B	B2	C	C1	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U∅	V	Drive			
400	1	242	15	125	34	410	356	206	296	12	18	28	183	125	30	6	15	-	-	11	73	22	18	60	1B			
630				366	206		296								12		18									28	183	30
1000		30	157	36	435	400	400								400	189	40	10	20	-	-	25	2					
1600		370	242	54	545	330	330								330	216	60	12	18	27	27	14	14					
2000		5	440	5	72	555	570								400	300	18	40	30	227	200	80	40	83	36	30	80	2
3150					265	70	575								400	400	233	100	18	50	2							
4000		410	286	80	662	350	350								470	23	30	45	290	250	120	120	20	40	60	132	65	35
6300	450	306	90	825	700	390	390	470	23	30	45	310	310	160	20	40	18	132	65	35	100	3						
400	2	367	15	125	34	410	356	331	296	12	18	28	183	125	30	6	15	-	-	11	73	22	18	60	1B			
630				366	331		296								12		18									28	183	30
1000		30	157	36	435	400	400								400	189	40	10	20	-	-	25	2					
1600		570	242	54	545	530	530								530	216	60	12	18	27	27	14	14					
2000		5	640	5	72	555	570								600	300	18	40	30	227	200	80	40	83	36	30	80	3
3150					265	70	575								600	600	233	100	18	50	3							
4000		660	286	80	662	350	350								470	23	30	45	290	250	120	120	20	40	60	132	65	35
6300	750	306	90	825	700	690	690	470	23	30	45	310	300	160	20	40	18	132	65	35	100	4						
400	3	492	15	125	34	410	356	456	296	12	18	28	183	125	30	6	15	-	-	11	73	22	18	60	1B			
630				366	456		296								12		18									28	183	30
1000		30	157	36	435	400	400								400	189	40	10	20	-	-	25	2					
1600		770	242	54	545	730	730								730	216	60	12	18	27	27	14	14					
2000		5	840	5	72	555	570								800	300	18	40	30	227	200	80	40	83	36	30	80	3
3150					265	70	575								800	800	233	100	18	50	3							
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6300	1050	306	90	825	700	990	990	470	23	30	45	310	300	160	20	40	18	132	65	35	100	4						

Ferraz Shawmut offers customized solutions to meet your most specific requirements:

- Adapted drives or control units
- Technical performance specifications (short-circuit current capability, endurance, small load - make / break capacity)