



Dry Type Transformer



Dry-type Transformer



Dry-type Transformer
With Control Panel



Dry-type Transformer
Enclosure/Kiosk



Silverstone Electric, Passion, Wiseness, Action and Quality

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Suzhou Silverstone Electric Co., Ltd is a subsidiary of Taishan-Hengxin Group and we are based in China.

Our main function is to service the electrical industry by supplying transmission line and transformation equipment to various contractors, municipalities, power utilities, Telecom companies, and other institutions locally and abroad.

At Silverstone we have the factories, the knowledge and the experience needed to serve the OEM needs from our customers, we aim to be “Your Premium Electric Supplier” with a strong desire to cater quality products comes in a reasonably low price. Proudly to say that Silverstone’s stringent quality assurance systems have gratified to achieve total customized customer satisfaction.

Scope of our products:

Fuse Cutout | Drop Out Fuse | Lightning Arrester | Surge Arrester | Composite Insulators | Porcelain Insulators | Disconnect Switch | Heat Shrink | Cable Accessory | Electric Components | Pad Mount Transformer | Distribution Transformer | Switchgear | Relay Protection Panel | Battery Charger Panel

* Some parameters quoted in our catalogues like the voltage level, frequency and standards are based on China State Grid technical requirements. Products for exportation will comply with IEC Standards or according to customer’s requirements.

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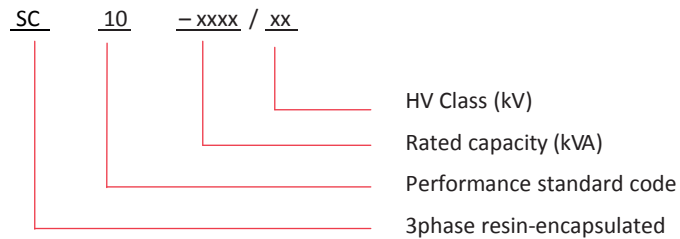
The Features of Dry-type Transformers

1. Both the HV and LV windings are surrounded and filled by glass fiber mats, no filler in epoxy resin during casting under vacuum condition. The windings will be solidified to form a solid cylindrical overall, with high mechanical strength and high reliability and no partial discharge.
2. Fire and explosion proof, do not pollute the environment. Coil winding insulation materials such as glass fiber with self-extinguishing properties, and will not arcing when short-circuit happened; heat the resin will not produce toxic or harmful gases.
3. Coil does not absorb moisture, core clamps have a special corrosion protection layer, and transformers can be abnormally running in the 93% relative humidity condition. No need special treatment during intermittent service.
4. High short circuit withstanding capability and lightning impulse level.
5. Thin resin in both inner and outer of coil can ensure good heat dissipation. Normally the transformer is air cooling type (AN). Force air cooling type (AF) can be used on any transformer, in order to improve short-term overload capacity, to ensure safety operation.
6. Lower loss level and save energy can reduce the running cost, and all transformers are maintenance-free.
7. Small size, light weight, small floor space, low cost of installation, no need to consider the discharge of oil, fire and other fire control facilities and standby power.
8. Because there is no fire and explosion possibility, it can be easily installed in any place of load center and fully close to the power consumption equipment, thus reducing the loss on the transmission line.

10kV SC10-30~1000kVA

SC10-30~1000kVA 10kV Distribution Transformers

1. Type designation



2. Standards

GB/T10228, GB1094.11, IEC60076, DIN42523

(Rated HV) : 10 (11、 10.5、 6.6、 6.3、 6) kV
(Rated LV) : 0.4kV

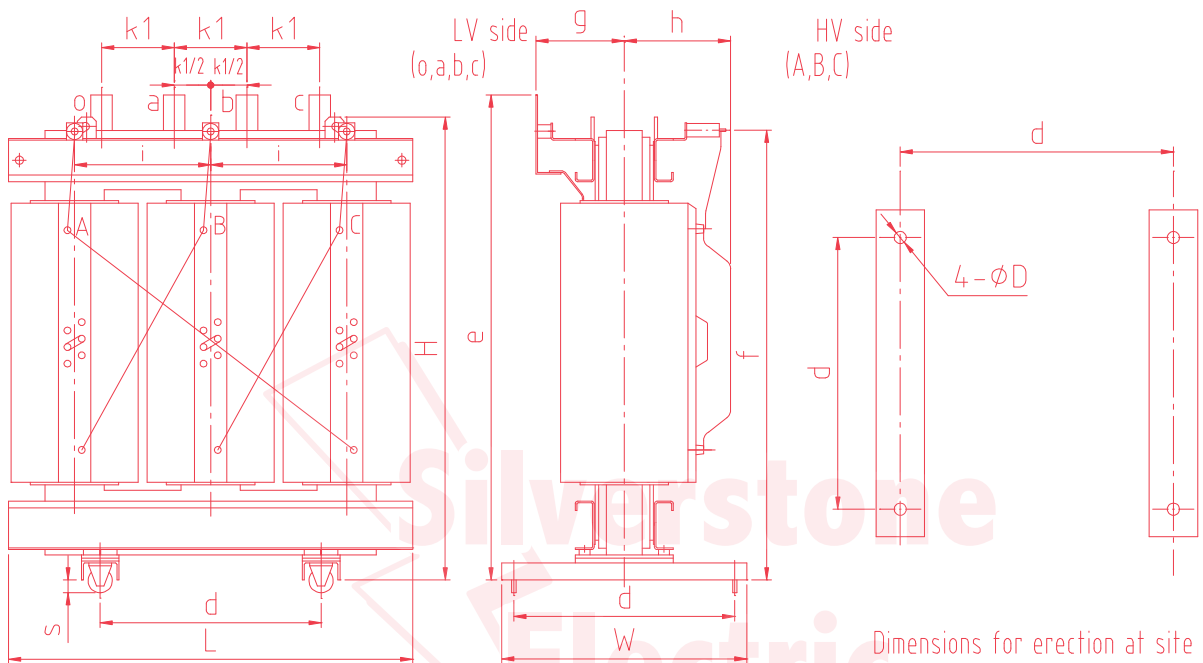
(Connection symbol) : Dyn11 or Yyn0
(Insulation level) : LI75AC35/AC3

TYPE	P ₀	P _K	I ₀	U _K	L _{PA}	G _t	OVERALL DIMENSION (MM)												LV TERMI- NALS
	(W)	(W)	%	%	dB(A)	kg	L	W	H	d	e	f	g	h	i	K1	s	D	
SC10-30/10	200	620	2.0	4	44	300	820	630	750	550	782	708	225	327	280	150	50	14	a
SC10-50/10	280	870	1.8		44	400	820	630	841	550	872	799	228	328	280	150	50	14	a
SC10-80/10	370	1210	1.4		44	475	900	630	870	550	902	829	237	338	305	150	50	14	a
SC10-100/10	400	1380	1.2		44	600	940	630	900	550	932	858	245	345	320	150	50	14	a
SC10-125/10	470	1620	1.0		48	660	940	630	980	550	1013	938	245	345	320	150	50	14	a
SC10-160/10	540	1860	0.8		48	790	1040	630	988	550	1044	946	261	361	350	150	50	14	b
SC10-200/10	620	2210	0.7		48	850	1040	630	988	550	1044	946	261	361	350	150	50	14	b
SC10-250/10	720	2410	0.7		48	1010	1070	750	1058	660	1104	1006	268	369	360	200	62	18	b
SC10-315/10	880	3030	0.6		48	1220	1130	750	1078	660	1139	1026	279	378	380	200	62	18	c
SC10-400/10	980	3480	0.6		48	1450	1180	750	1158	660	1219	1106	283	381	395	200	62	18	c
SC10-500/10	1160	4260	0.5	6	50	1750	1230	750	1293	660	1354	1239	286	384	415	200	62	18	c
SC10-630/10	1340	5130	0.5		50	2000	1290	750	1348	660	1409	1296	297	393	435	200	62	18	d
SC10-630/10	1300	5200	0.5		50	2100	1380	750	1278	660	1338	1225	301	397	465	240	62	18	d
SC10-800/10	1520	6070	0.4		50	2450	1460	910	1318	820	1390	1255	339	410	490	270	58	18	e
SC10-1000/10	1770	7100	0.4		50	2700	1490	910	1413	820	1485	1350	346	413	500	270	58	18	f

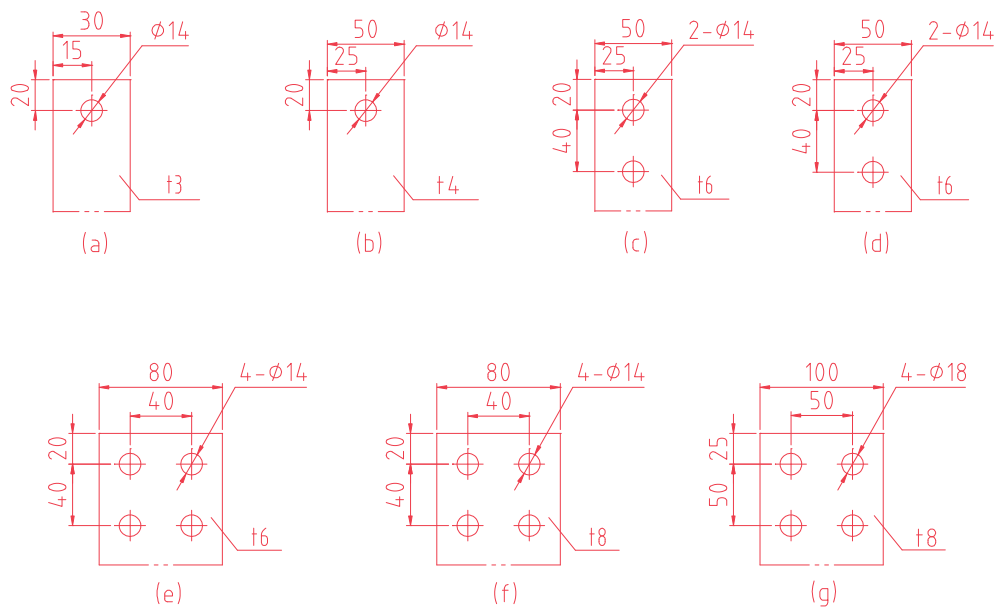
The overall dimensions listed in the above table are only for reference, the final dimensions will be indicated in the outline drawing supplied.

10kV SC10-30~1000kVA (Cont...)

SC10-30~1000kVA 10kV Distribution Transformer Outline Drawing



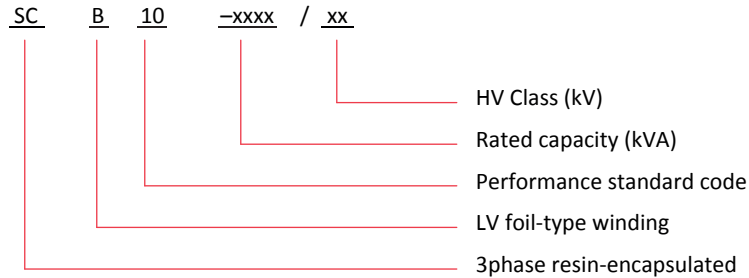
LV Terminal Dimensions



10kV SCB10-630~3150kVA

SCB10-630~3150kVA 10kV Distribution Transformers

1. Type designation



2. Standards

GB/T10228, GB1094.11, IEC60076, DIN42523

(Rated HV) : 10 (11、10.5、6.6、6.3、6) kV
(Rated LV) : 0.4kV

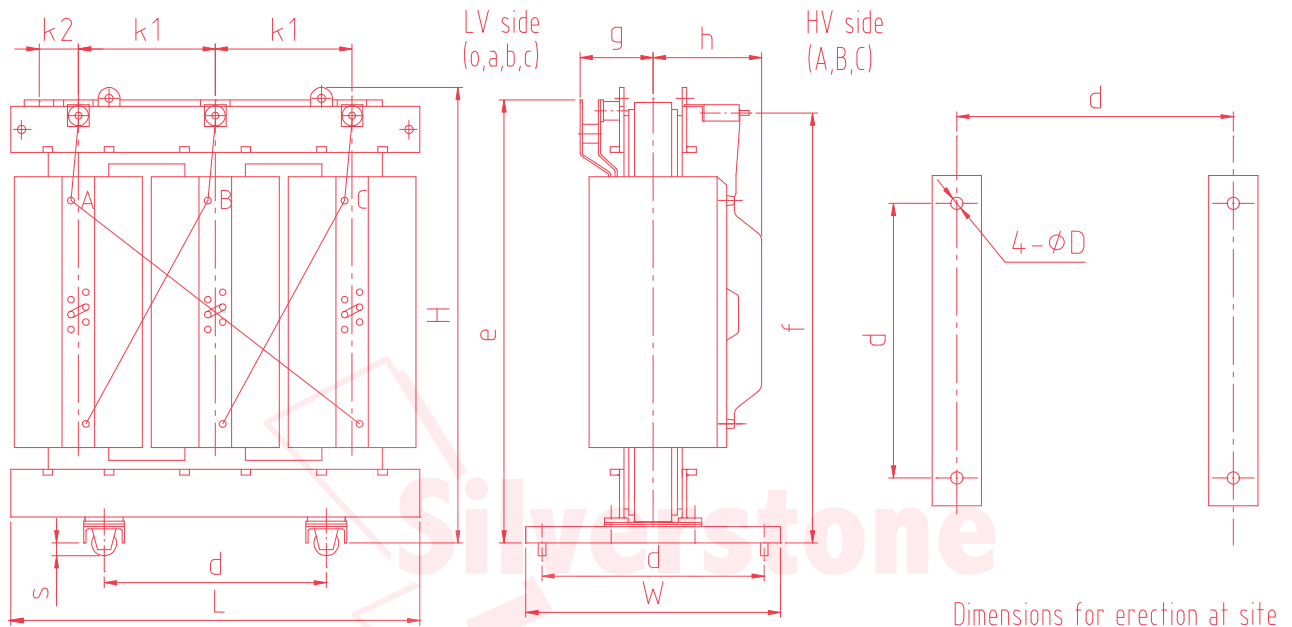
(Connection symbol) : Dyn11 or Yyn0
(Insulation level) : LI75AC35/AC3

TYPE	P ₀	P _K	I ₀	U _k	L _{PA}	G _t	OVERALL DIMENSION (MM)												LV TERMINALS
	(W)	(W)	%	%	dB(A)	kg	L	W	H	d	e	f	g	h	K1	K2	S	D	
SCB10-630/10	1340	5130	2.0	4	0.5	50	1980	750	1253	660	1193	1152	243	349	450	130	62	18	a
SCB10-630/10	1300	5200	1.8	6	0.5	50	1970	750	1233	660	1173	1130	240	345	465	130	62	18	a
SCB10-800/10	1520	6070	1.4		0.4	50	2240	940	1278	820	1218	1178	263	352	490	170	58	18	b
SCB10-1000/10	1770	7100	1.2		0.4	50	2720	940	1398	820	1338	1298	272	355	500	180	58	18	c
SCB10-1250/10	2090	8460	1.0		0.4	50	3200	940	1478	820	1428	1378	277	360	545	180	58	18	d
SCB10-1600/10	2450	10240	0.8		0.4	50	4000	940	1593	820	1533	1483	335	370	570	190	84	22	e
SCB10-2000/10	3020	12620	0.7		0.3	50	4900	940	1638	820	1588	1528	338	375	595	195	84	22	f
SCB10-2500/10	3560	14990	0.7		0.3	52	5860	940	1843	820	1793	1733	354	380	630	200	84	22	g
SCB10-3150/10	4000	19620	0.6		0.3	52	6800	1280	1899	1070	1909	1836	449	448	680	200	25	22	h
SCB10-1600/10	2450	11300	0.6	8	0.3	50	4200	940	1563	820	1503	1453	331	364	610	190	84	22	e
SCB10-2000/10	3020	13940	0.5		0.3	50	4700	940	1623	820	1573	1513	334	370	620	195	84	22	f
SCB10-2500/10	3560	16500			0.3	52	5400	940	1663	820	1613	1553	354	380	660	200	84	22	g
SCB10-3150/10	4000	20620	0.5		0.3	52	7070	1280	1929	1070	1939	1867	440	440	695	200	25	22	h
SCB10-2000/10	2840	14770	0.5	6	0.3	52	4500	940	1603	820	1553	1493	327	362	630	195	84	22	f
SCB10-2500/10	3380	17980	0.4		0.3	52	5450	940	1743	820	1693	1633	349	370	640	200	84	22	g
SCB10-3150/10	3750	21450	0.4		0.3	52	6950	1280	1859	1070	1869	1797	435	435	680	200	25	22	h

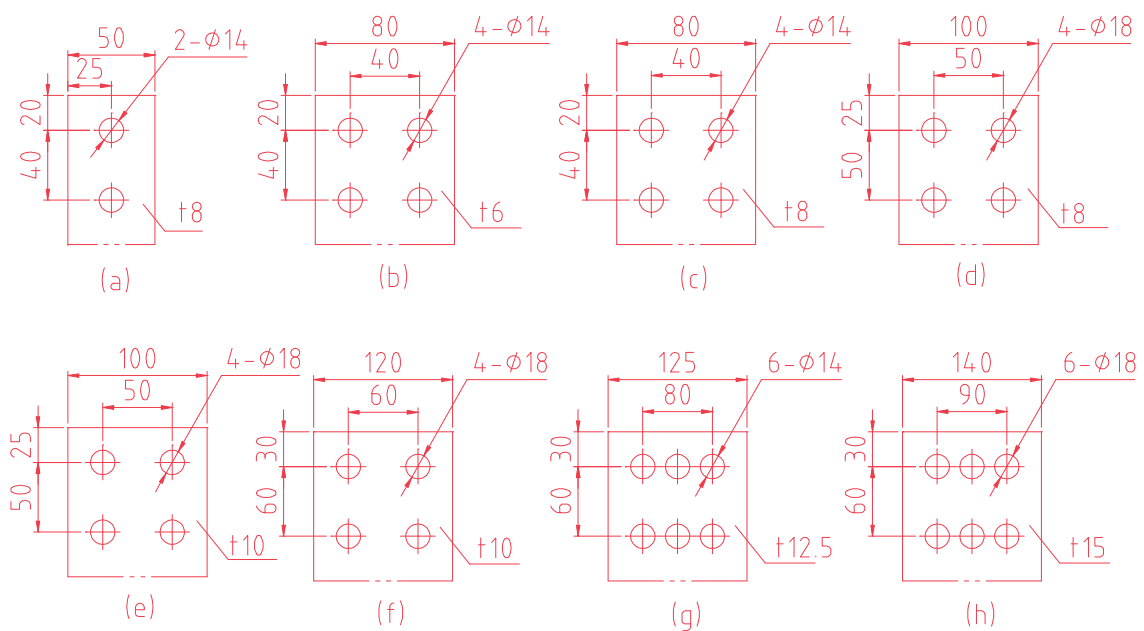
The overall dimensions listed in the above table are only for reference, the final dimensions will be indicated in the outline drawing supplied.

10kV SCB10-630~3150kVA (Cont...)

SCB10-630~3150kVA 10kV Distribution Transformer Outline Drawing



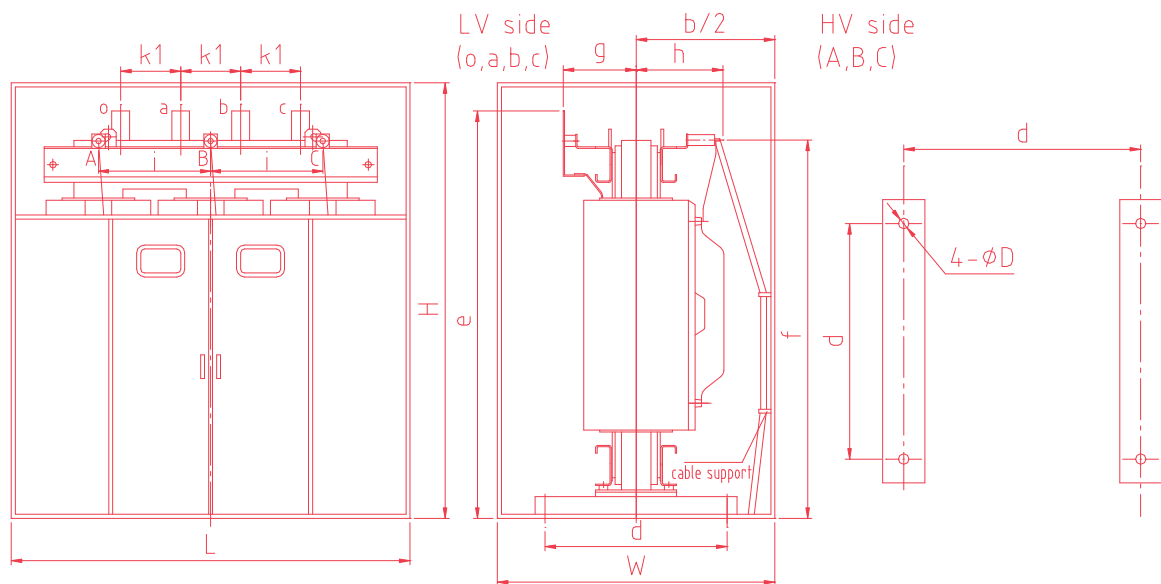
LV Terminal Dimensions



10kV SC10 30~1000kVA

Type SC10-30~1000kVA 10kV Dimensions with Protection Enclosure

TYPE	U _k	OVERALL DIMENSION (MM)											WEIGHT (KG)
	%	L	W	H	d	e	f	g	h	i	K1	D	
SC10-30/10	4	1300	1100	1200	550	782	708	225	327	280	150	14	100
SC10-50/10		1300	1100	1200	550	872	799	228	328	280	150	14	100
SC10-80/10		1500	1200	1400	550	902	829	237	338	305	150	14	120
SC10-100/10		1500	1200	1400	550	932	858	245	345	320	150	14	120
SC10-125/10		1500	1200	1400	550	1013	938	245	345	320	150	14	120
SC10-160/10		1500	1200	1400	550	1044	946	261	361	350	150	14	120
SC10-200/10		1500	1200	1400	550	1044	946	261	361	350	150	14	120
SC10-250/10		1600	1250	1600	660	1104	1006	268	369	360	200	18	160
SC10-315/10		1600	1250	1600	660	1139	1026	279	378	380	200	18	160
SC10-400/10		1600	1250	1600	660	1219	1106	283	381	395	200	18	160
SC10-500/10		1800	1350	1800	660	1354	1239	286	384	415	200	18	200
SC10-630/10		1800	1350	1800	660	1409	1296	297	393	435	200	18	200
SC10-630/10	6	1800	1350	1800	660	1338	1225	301	397	465	240	18	200
SC10-800/10		2000	1400	2000	820	1390	1255	339	410	490	270	18	240
SC10-1000/10		2000	1400	2000	820	1485	1350	346	413	500	270	18	240



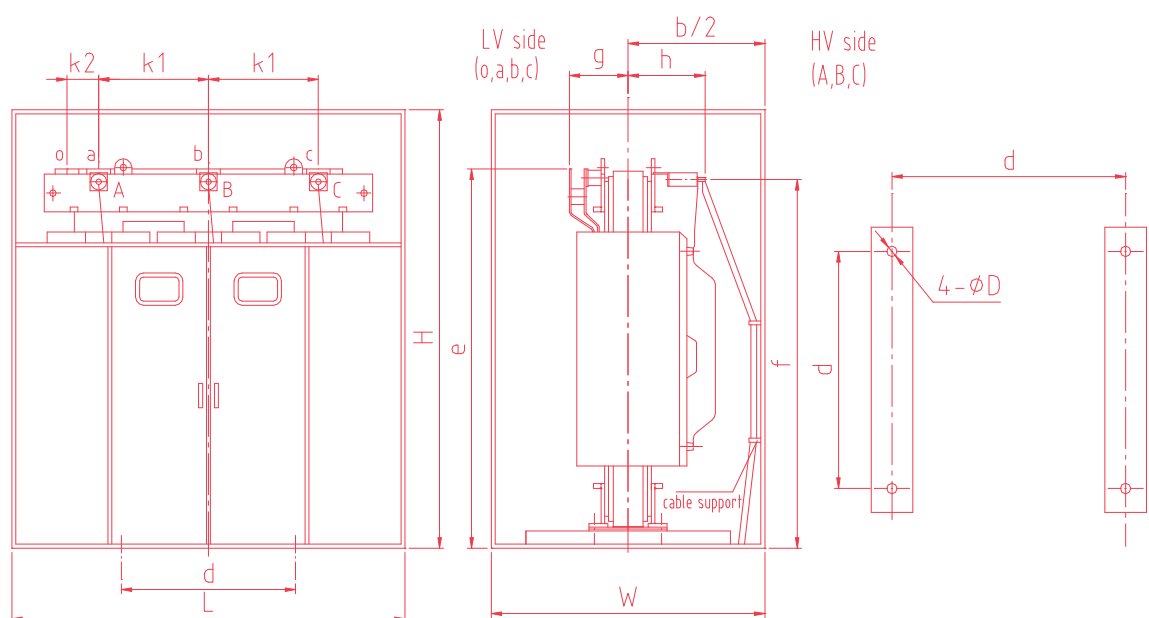
Overall dimensions of type SC10 10kV class distribution transformer with protection enclosure

Dimensions for erection at site

10kV SCB10 630~3150kVA

Type SCB10-630~3150kVA 10kV Dimension with Protection Enclosure

TYPE	U _k	OVERALL DIMENSION (MM)											WEIGHT (KG)
	%	L	W	H	d	e	f	g	h	K1	K1	D	
SCB10-630/10	4	1800	1350	1800	660	1193	1152	243	349	450	130	18	200
SCB10-630/10	6	1800	1350	1800	660	1173	1130	240	345	465	130	18	200
SCB10-800/10		2000	1400	2000	820	1218	1178	263	352	490	170	18	240
SCB10-1000/10		2000	1400	2000	820	1338	1298	272	355	500	180	18	240
SCB10-1250/10		2150	1450	2200	820	1428	1378	277	360	545	180	18	260
SCB10-1600/10		2300	1500	2200	820	1533	1483	335	370	570	190	22	260
SCB10-2000/10		2400	1550	2200	820	1793	1733	354	380	630	200	22	300
SCB10-2500/10		2600	1600	2200	1070	1909	1836	449	448	680	200	22	330
SCB10-3150/10		2300	1500	2200	820	1503	1453	331	364	610	190	22	300
SCB10-1600/10	8	2400	1550	2200	820	1573	1513	334	370	620	195	22	300
SCB10-2000/10		2400	1550	2200	820	1613	1553	354	380	660	200	22	300
SCB10-2500/10		2600	1600	2200	1070	1939	1867	440	440	695	200	22	330
SCB10-2000/10	10	2400	1550	2200	820	1693	1633	349	370	640	200	22	300
SCB10-2500/10		2600	1600	2200	1070	1869	1797	435	435	680	200	22	330
SCB10-3150/10		2000	1400	2000	820	1485	1350	346	413	500	270	18	240



Overall dimensions of type SCB10 10kV class distribution transformer with protection enclosure

Dimensions for erection at site

10kV SCZ (B) 10-250~2500kVA

SCZB10-250~2500kVA 10kV On-load Tap-changing Distribution Transformer

1. To obtain stable output voltage, the taps must be adjusted when grid source voltage fluctuates;
2. Automatic on-load tap-changing obviates the necessity of de-energizing the transformer during tap-change, which has become ever more important for customers;
3. The transformer, tap changer and enclosure are integrally designed, which means more compact structure, smaller size, and easier installation;
4. The on-load tap-changers are dry type with enclosure, and are composed of vacuum switch, selector switch and motor-driving mechanism;
5. The on-load tap-changer may be supplied with automatic control unit, possible to be controlled at side or at a distance;
6. We are glad to design and make dry-type transformers with on-load tap-changing different from the type described above in care of need.

(Rated HV) : 10 (11、10.5、6.6、6.3、6) kV

(Rated LV) : 0.4kV

(Connection symbol) : Dyn11 or Yyn0

: $\pm 4 \times 2.5\%$ (9)

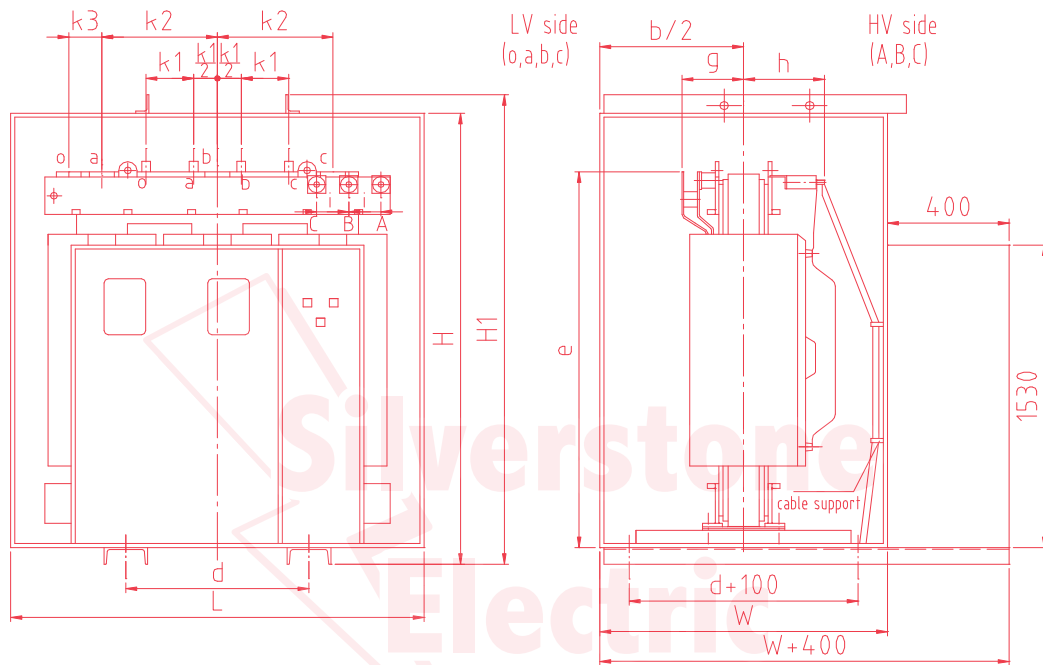
(HV taps) : $\pm 4 \times 2.5\%$ (9 Steps)

(Insulation level) : LI75AC35/AC

TYPE	P ₀	P _{k75°C}	I ₀	U _k	G _t	DIMENSIONS (MM)													
	w	W	%	%	kg	L	W	H	H1	d	e	f	g	h	i	K1	K2	K3	D
SCZ10-250/10	720	2790	0.7	4	1470	1600	1250	1663	1738	660	1358	1199	277	375	160	200	/	/	18
SCZ10-315/10	880	3150	0.7		1700	1600	1250	1663	1738	660	1437	1339	277	375	160	200	/	/	18
SCZ10-400/10	980	3700	0.7		1930	1600	1250	1663	1738	660	1437	1339	287	375	160	200	/	/	18
SCZ10-500/10	1160	4500	0.7		2250	1800	1350	1863	1938	660	1502	1389	292	385	160	200	/	/	18
SCZ10-630/10	1340	5360	0.5		2500	1800	1350	1863	1938	660	1612	1499	299	390	160	200	/	/	18
SCZ10-630/10	1300	5470	0.5	6	2600	1800	1350	1863	1938	660	1531	1418	302	400	160	240	/	/	18
SCZ10-800/10	1520	6460	0.5		3000	2000	1400	2063	2153	820	1541	1428	336	410	160	270	/	/	18
SCZ10-1000/10	1770	7650	0.5		3260	2000	1400	2063	2153	820	1655	1511	377	415	160	270	/	/	18
SCZB10-630/10	1340	5360	0.5		2500	1800	1350	1863	1938	660	1500	1460	240	340	160	/	450	130	18
SCZB10-630/10	1300	5470	0.5	4	2500	1800	1350	1863	1938	660	1433	1401	240	340	160	/	465	130	18
SCZB10-800/10	1520	6460	0.5	6	2800	2000	1400	2063	2153	820	1460	1434	256	350	200	/	490	170	18
SCZB10-1000/10	1770	7650	0.5		3260	2000	1400	2063	2153	820	1540	1500	275	355	200	/	500	180	18
SCZB10-1250/10	2090	9200	0.5		3800	2150	1450	2200	2290	820	1660	1612	284	360	200	/	545	180	18
SCZB10-1600/10	2450	10840	0.4		4600	2300	1500	2200	2290	820	1746	1695	337	370	200	/	570	190	22
SCZB10-2000/10	3020	13290	0.4		5500	2300	1500	2200	2290	820	1887	1824	345	380	200	/	595	195	22
SCZB10-2500/10	3560	15810	0.4		6480	2400	1550	2200	2290	820	1946	1867	374	420	200	/	630	200	22

10kV SCZB10-250~2500kVA (Cont...)

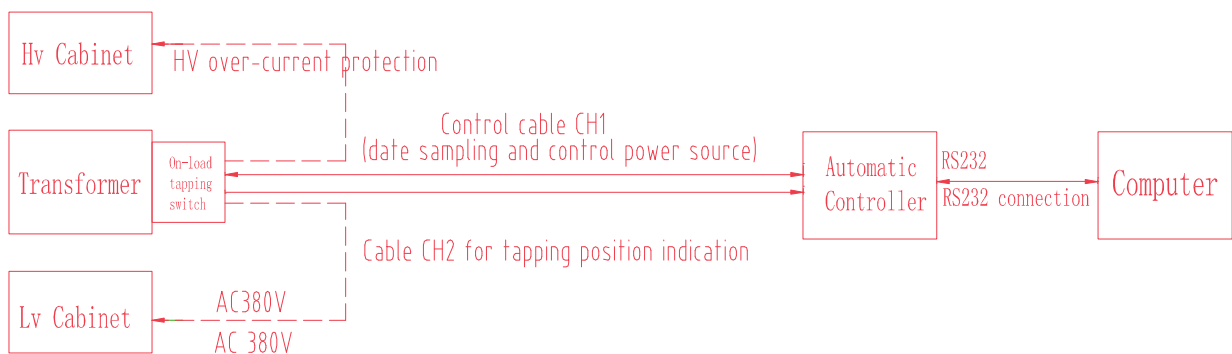
SCZB10-250~2500kVA 10kV On-load Tap-changing Distribution Transformer Outline Drawing (with Enclosure)



K1 is only for type SCZ10, whose LV terminals is symmetrical.

K2 and k3 is meaningful for type SCZB10 for which the position of LV terminals, o, a, b, and c, is asymmetrical.

The schematic diagram for the control of 10kV on-load tap-changing



20kV SC(B)10-50~3150kVA

Type SC(B)10-50~3150kVA 20kV Distribution Transformer

(Rated HV) : 20 (24、22、20、18) kV
(Rated LV) : 0.4kV

Connection symbol : Dyn11 or Yyn0
Insulation level) : LI125AC55/AC3

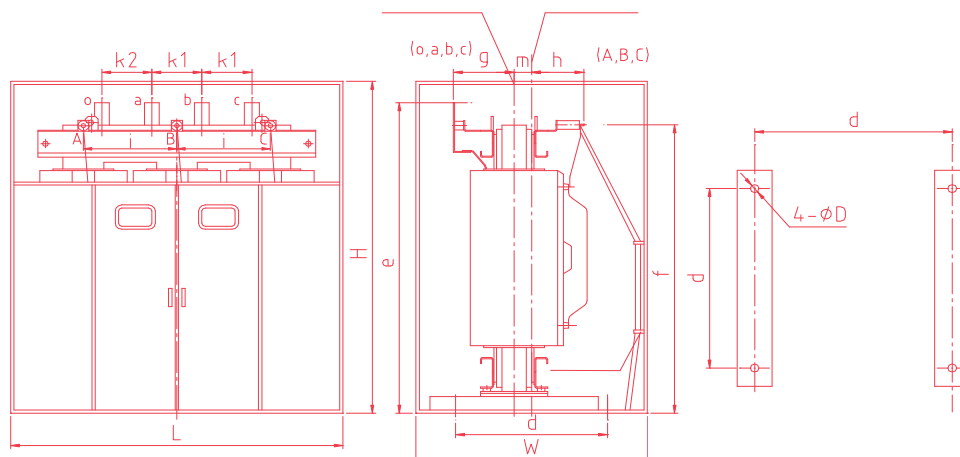
TYPE	P ₀	P _{k75°C}	I ₀	U _k	L _{PA}	G _t	DIMENSIONS (MM)												
	w	W	%	%	dB(A)	kg	L	W	H	d	e	f	g	h	i	K1	K2	S	D
SC10-50/20	340	1070	1.8	6	45	480	1010	630	930	550	961	886	225	372	350	150	/	50	14
SC10-80/20	460	1520	1.4		45	540	1020	630	1001	550	1039	966	232	379	350	150	/	50	14
SC10-100/20	530	1730	1.2		45	720	1080	630	1142	550	1173	1098	233	410	370	200	/	50	14
SC10-160/20	670	2150	1.0		48	920	1160	750	1152	660	1183	1110	246	442	400	200	/	50	14
SC10-200/20	730	2560	1.0		48	1005	1160	750	1212	660	1243	1170	246	442	400	200	/	50	14
SC10-250/20	840	2970	1.0		48	1190	1220	750	1282	660	1303	1230	250	446	420	200	/	50	18
SC10-315/20	960	3550	1.0		48	1350	1270	750	1280	660	1341	1228	263	454	435	200	/	56	18
SC10-400/20	1140	4210	0.8		50	1595	1320	750	1303	660	1364	1251	279	472	450	200	/	56	18
SC10-500/20	1330	5030	0.8		50	1840	1380	750	1340	660	1401	1295	284	477	470	200	/	56	18
SCB10-630/20	1510	5940	0.8	6	50	2250	1470	750	1478	660	1418	1378	238	439	500	500	130	56	18
SCB10-800/20	1730	7180	0.6		50	2500	1540	940	1503	820	1443	1401	259	444	525	525	180	56	18
SCB10-1000/20	2040	8500	0.6		52	2940	1580	940	1580	820	1510	1468	275	450	535	535	180	56	18
SCB10-1250/20	2360	10020	0.6		52	3290	1580	940	1760	820	1710	1658	280	451	540	540	190	56	18
SCB10-1600/20	2760	12040	0.6		52	4240	1860	940	1793	820	1733	1683	335	465	620	620	190	84	22
SCB10-2000/20	3200	14220	0.4		52	5200	1910	940	1888	820	1838	1778	342	468	645	645	195	84	22
SCB10-2500/20	3820	16830	0.4		53	6020	2000	940	1960	820	1910	1848	367	482	680	680	200	84	22
SCB10-3150/20	4400	18540	0.4		53	7400	2180	1240	1965	1070	1980	1848	451	545	740	740	235	25	22
SCB10-3150/20	4180	21600	0.4		8	53	7270	2230	1240	1895	1070	1910	1778	451	545	755	755	235	25

1. The outline drawing of type SC10 transformer can be referred to the one on page 4, and SCB10 to that on page 6;
2. The LV terminal is the same as that the one of 10kV class, distribution transformer of the same rating;
3. The overall dimensions listed in the above table are only for reference, the final dimensions will be indicated in the outline drawing supplied.

SC(B)10 20kV

Type SC(B)10-20kV Dry-type Transformer Dimensions with Protection Enclosure

TYPE	U _k	DIMENSIONS (MM)													WEIGHT (KG)
	%	L	W	H	d	e	f	g	h	i	m	K1	K2	D	
SC10-50/20	6	1600	1600	1600	550	961	886	225	372	350	100	150	/	14	170
SC10-80/20		1600	1600	1600	550	1039	966	232	379	350		150	/	14	170
SC10-100/20		1600	1600	1600	550	1173	1098	233	410	370		200	/	14	170
SC10-160/20		1800	1800	1800	660	1183	1110	246	442	400		200	/	14	200
SC10-200/20		1800	1800	1800	660	1243	1170	246	442	400		200	/	14	200
SC10-250/20		1800	1800	1800	660	1303	1230	250	446	420		200	/	18	200
SC10-315/20		1800	1800	1800	660	1341	1228	263	454	435		200	/	18	200
SC10-400/20		2000	2000	2000	660	1364	1251	279	472	450		200	/	18	240
SC10-500/20		2000	2000	2000	660	1401	1295	284	477	470		200	/	18	240
SCB10-630/20		2000	2000	2000	660	1418	1378	238	439	500		500	130	18	240
SCB10-800/20		2150	2150	2200	820	1443	1401	259	441	525		525	180	18	260
SCB10-1000/20		2150	2150	2200	820	1510	1468	275	450	535		535	180	18	260
SCB10-1250/20		2300	2300	2200	820	1710	1658	280	451	540		540	190	18	300
SCB10-1600/20		2400	2400	2200	820	1733	1683	335	465	620		620	190	22	300
SCB10-2000/20		2600	2600	2200	820	1838	1778	342	468	645		645	195	22	330
SCB10-2500/20		2600	2600	2200	820	1910	1848	367	482	680		680	200	22	330
SCB10-3150/20	8	2800	2800	2200	1070	1980	1848	451	545	740		740	235	22	370
SCB10-3150/20		2800	2800	2200	1070	1910	1778	451	545	755		755	235	22	370



1. The outline drawing of type SC10 transformer can be referred to the one on page 10, and SCB10 to that on page 12;
2. The LV terminal is the same as the one of 10kV class, distribution transformer of the same rating, which can be reference to page 4;
3. The overall dimensions listed in the above table are only for reference, the final dimensions will be indicated in the outline drawing supplied.

35kV SC(B)10-50~2500kVA

Type SC(B)10-50~2500kVA 35kV Distribution Transformers

(Rated HV) : 35 (38.5、37.5、36.5、33) kV
(Rated LV) : 0.4kV

Connection symbol : Dyn11 or Yyn0
Insulation level : LI170AC70/AC3

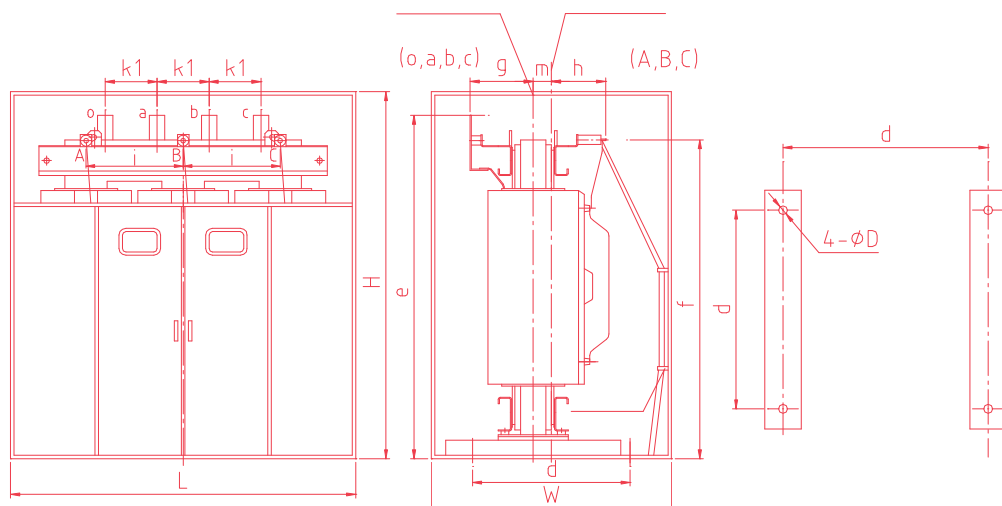
TYPE	P ₀	P _{k75°C}	I ₀	U _k	L _{PA}	G _t	DIMENSIONS (MM)												
	w	W	%	%	dB(A)	kg	L	W	H	d	e	f	g	h	i	K1	K2	S	D
SC10-50/35	440	1240	2.0	6	48	605	1100	630	1325	550	1356	1287	227	460	385	200	/	50	14
SC10-80/35	520	1610	2.0		48	780	1230	630	1323	550	1362	1284	243	486	435	200	/	50	14
SC10-100/35	620	1820	1.6		48	920	1280	630	1403	550	1442	1364	247	485	450	200	/	50	14
SC10-125/35	720	2250	1.6		48	975	1280	630	1485	550	1506	1436	246	497	450	200	/	50	18
SC10-160/35	780	2450	1.2		48	1190	1410	750	1428	660	1474	1379	256	485	490	200	/	56	18
SC10-200/35	870	2890	1.2		48	1350	1410	750	1498	660	1519	1448	256	485	490	200	/	56	18
SC10-250/35	980	3300	1.2		48	1470	1450	750	1510	660	1530	1463	272	518	505	200	/	56	18
SC10-315/35	1160	3920	1.0		48	1730	1500	750	1570	660	1631	1517	278	527	525	200	/	62	18
SC10-400/35	1360	4700	1.0		48	1900	1540	750	1600	660	1662	1549	284	533	535	200	/	62	18
SC10-500/35	1600	5770	1.0		50	2250	1560	910	1670	820	1730	1623	303	550	545	240	/	58	18
SC10-630/35	1840	6680	0.8		50	2550	1610	910	1740	820	1790	1683	306	555	560	240	/	58	18
SCB10-800/35	2130	7920	0.8		50	3220	1710	940	1908	820	1838	1791	265	528	595	595	180	58	18
SCB10-1000/35	2400	9070	0.6		50	3580	1770	940	1908	820	1838	1791	273	540	615	615	180	58	18
SCB10-1250/35	2800	11060	0.6		50	4110	1820	940	1974	820	1910	1853	325	552	630	630	180	58	22
SCB10-1600/35	3200	13440	0.5		52	4800	1850	1240	2200	1070	2140	2083	331	552	640	640	190	25	22
SCB10-2000/35	3780	15830	0.5		52	5900	2080	1240	2200	1070	2150	2083	350	554	715	715	215	25	22
SCB10-2500/35	4400	18970	0.4		52	6800	2140	1240	2300	1070	2250	2183	366	554	735	735	215	25	22

1. The outline drawing of type SC10 transformer can be referred to the one on page 4, and SCB10 to that on page 6;
2. The LV terminal is the same as the one of 10kV class, distribution transformer of the same rating, which can be reference to page 4;
3. The overall dimensions listed in the above table are only for reference, the final dimensions will be indicated in the outline drawing supplied.

SC(B)10-35kV

Type SC(B)10-35kV Dry-type Transformer Dimensions with Protection Enclosure

TYPE	U _k	DIMENSIONS (MM)													WEIGHT (KG)
	%	L	W	H	d	e	f	g	h	i	m	K1	K2	D	
SC10-50/35	6	2000	1550	2000	550	1356	1287	227	460	385	170	200	/	14	240
SC10-80/35		2000	1550	2000	550	1362	1284	243	486	435	170	200	/	14	240
SC10-100/35		2000	1550	2200	550	1442	1364	247	485	450	170	200	/	14	250
SC10-125/35		2000	1550	2200	550	1506	1436	246	497	450	170	200	/	18	250
SC10-160/35		2150	1550	2200	660	1474	1379	256	485	490	160	200	/	18	260
SC10-200/35		2150	1550	2200	660	1519	1448	256	485	490	160	200	/	18	260
SC10-250/35		2150	1550	2200	660	1530	1463	272	518	505	160	200	/	18	260
SC10-315/35		2300	1600	2200	660	1631	1517	278	527	525	160	200	/	18	280
SC10-400/35		2300	1600	2200	660	1662	1549	284	533	535	160	200	/	18	280
SC10-500/35		2500	1700	2400	820	1730	1623	303	550	545	160	240	/	18	310
SC10-630/35	8	2500	1700	2400	820	1790	1683	306	555	560	160	240	/	18	310
SCB10-800/35		2700	1800	2500	820	1838	1791	265	528	595	160	595	180	18	350
SCB10-1000/35		2700	1800	2500	820	1838	1791	273	540	615	160	615	180	18	350
SCB10-1250/35		2800	1900	2700	820	1910	1853	325	552	630	160	630	180	18	380
SCB10-1600/35		2800	1900	2700	1070	2140	2083	331	552	640	160	640	190	22	380
SCB10-2000/35		2800	1900	2700	1070	2150	2083	350	554	715	160	715	215	22	380
SCB10-2500/35		3000	1950	2800	1070	2250	2183	366	554	735	160	735	215	22	430



1. The outline drawing of type SC10 transformer can be referred to the one on page 10, and SCB10 to that on page 12;
2. The LV terminal is the same as the one of 10kV class, distribution transformer of the same rating, which can be reference to page 4;
3. The overall dimensions listed in the above table are only for reference, the final dimensions will be indicated in the outline drawing supplied.

SC10

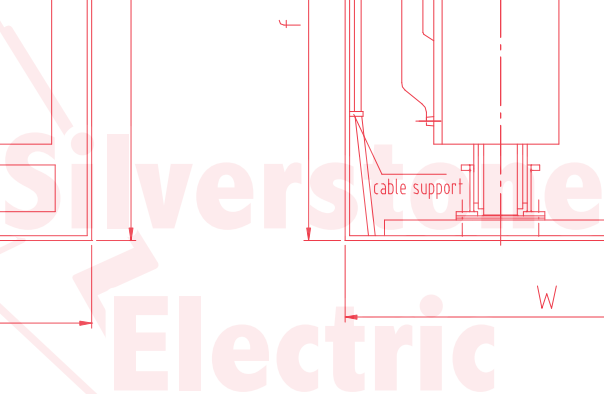
Outline Dimensions for SC10 Series with LV Exit at the Lateral side

TYPE	Uk	DIMENSIONS (MM)									LV TERMINALS
	%	L	W	H	d	f	h	i	k	D	
SC10-250/10	4	1600	1250	2200	660	1006	369	360	100	18	(a)
SC10-315/10		1600	1250	2200	660	1026	378	380	100	18	(a)
SC10-400/10		1600	1250	2200	660	1106	381	395	100	18	(a)
SC10-500/10		1800	1350	2200	660	1239	384	415	100	18	(b)
SC10-630/10		1800	1350	2200	660	1296	393	435	100	18	(b)
SC10-630/10	6	1800	1350	2200	660	1225	397	465	100	18	(b)
SC10-800/10		2000	1400	2200	820	1255	410	490	100	18	(c)
SC10-1000/10		2000	1400	2200	820	1350	413	500	100	18	(d)

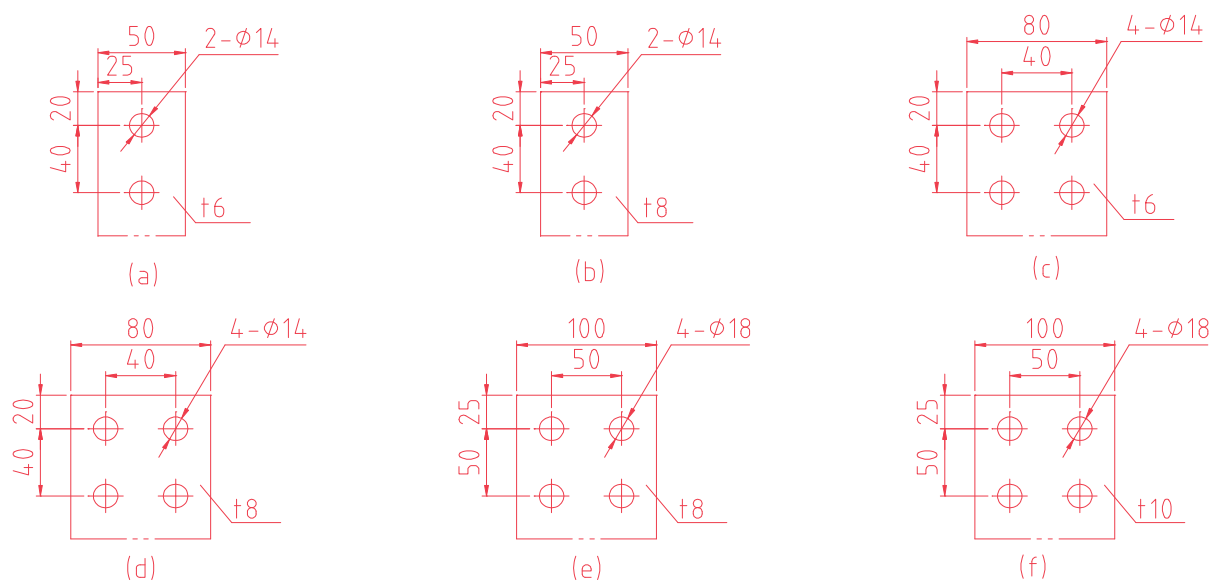
Outline Dimension for Type SCB10 Series with LV Exit at the Lateral side

TYPE	Uk	DIMENSIONS (MM)									LV TERMINALS
	%	L	W	H	d	f	h	i	k	D	
SCB10-630/10	4	1800	1350	2200	660	1152	349	450	100	18	(b)
SCB10-630/10	6	1800	1350	2200	660	1130	345	465	100	18	(b)
SCB10-800/10		2000	1400	2200	820	1178	352	490	100	18	(c)
SCB10-1000/10		2000	1400	2200	820	1298	355	500	100	18	(d)
SCB10-1250/10		2150	1450	2200	820	1378	360	545	100	18	(e)
SCB10-1600/10		2300	1500	2200	820	1483	370	570	120	22	(f)
SCB10-2000/10	8	2300	1500	2200	820	1528	375	595	120	22	(e)
SCB10-2500/10		2400	1550	2200	820	1733	380	630	120	22	(f)
SCB10-1600/10		2300	1500	2200	820	1453	364	610	120	22	(f)
SCB10-2000/10	8	2400	1550	2200	820	1513	370	620	120	22	(e)
SCB10-2500/10		2400	1550	2200	820	1553	380	660	120	22	(f)

SC10 (Cont...)



LV Terminals of the Transformers with LV Exit at the Lateral side



SC10 (Cont...)

Outline Dimensions for SC10 Series with Top Exit Sealed LV Terminal

TYPE	Uk	DIMENSIONS (MM)											LV TERMINALS
	%	L	W	H	d	e	f	g	h	i	k	D	
SC10-250/10	4	1600	1250	1600	660	1520	1006	420	369	360	100	18	(a)
SC10-315/10		1600	1250	1600	660	1520	1026	420	378	380	100	18	(a)
SC10-400/10		1600	1250	1600	660	1520	1106	420	381	395	100	18	(a)
SC10-500/10		1800	1350	1800	660	1720	1239	450	384	415	100	18	(b)
SC10-630/10		1800	1350	1800	660	1720	1296	450	393	435	100	18	(c)
SC10-630/10	6	1800	1350	1800	660	1720	1225	450	397	465	100	18	(c)
SC10-800/10		2000	1400	2000	820	1920	1255	470	410	490	100	18	(d)
SC10-1000/10		2000	1400	2000	820	1920	1350	470	413	500	100	18	(e)

SCB10

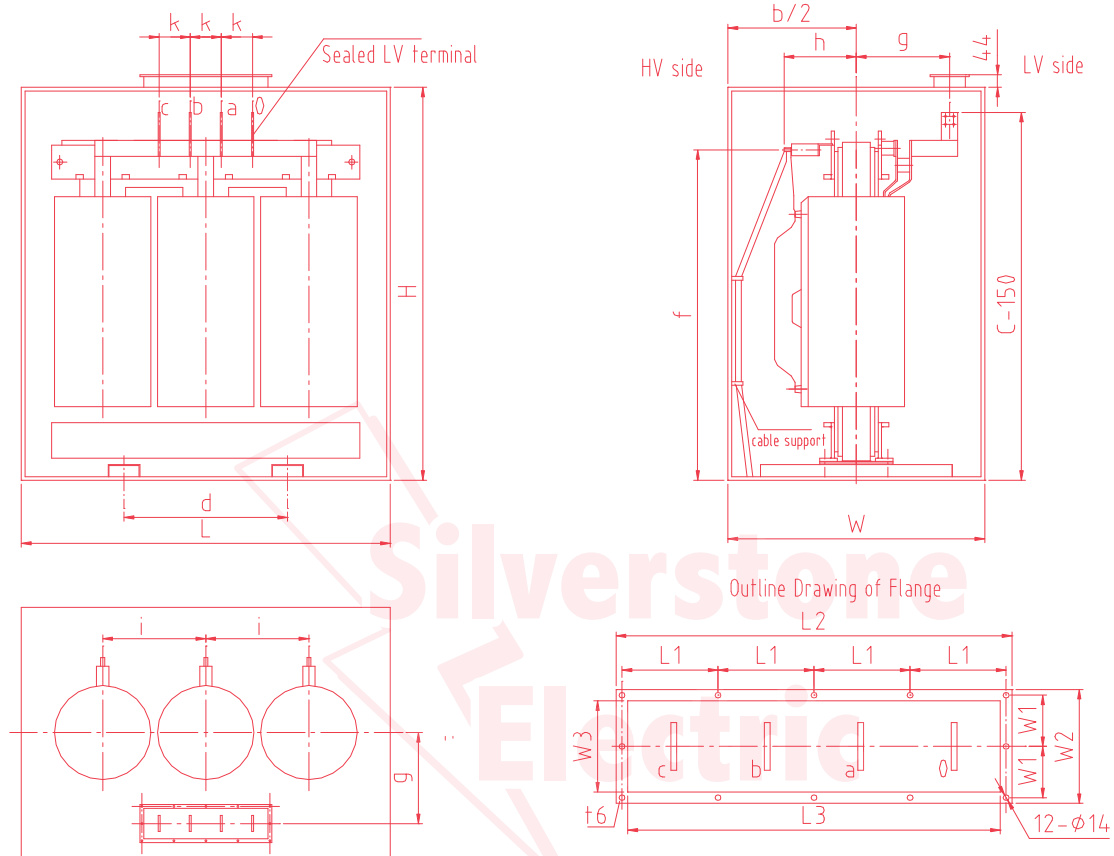
Outline Dimension for Type SCB10 Series with Top Exit Sealed LV Terminal

TYPE	Uk	DIMENSIONS (MM)											LV TERMINALS
	%	L	W	H	d	e	f	g	h	i	k	D	
SCB10-630/10	4	1800	1350	1800	660	1720	1152	450	349	450	100	18	(c)
SCB10-630/10	6	1800	1350	1800	660	1720	1130	450	345	465	100	18	(c)
SCB10-800/10		2000	1400	2000	820	1920	1178	470	352	490	100	18	(d)
SCB10-1000/10		2000	1400	2000	820	1920	1298	470	355	500	100	18	(e)
SCB10-1250/10		2150	1450	2200	820	2100	1378	470	360	545	100	18	(f)
SCB10-1600/10		2300	1500	2200	820	2100	1483	500	370	570	150	22	(g)
SCB10-2000/10	8	2300	1500	2200	820	2100	1528	500	375	595	150	22	(h)
SCB10-2500/10		2400	1550	2200	820	2100	1733	500	380	630	150	22	(i)
SCB10-1600/10		2300	1500	2200	820	2100	1453	500	364	610	150	22	(g)
SCB10-2000/10		2400	1550	2200	820	2100	1513	500	370	620	150	22	(h)
SCB10-2500/10		2400	1550	2200	820	2100	1553	500	380	660	150	22	(i)

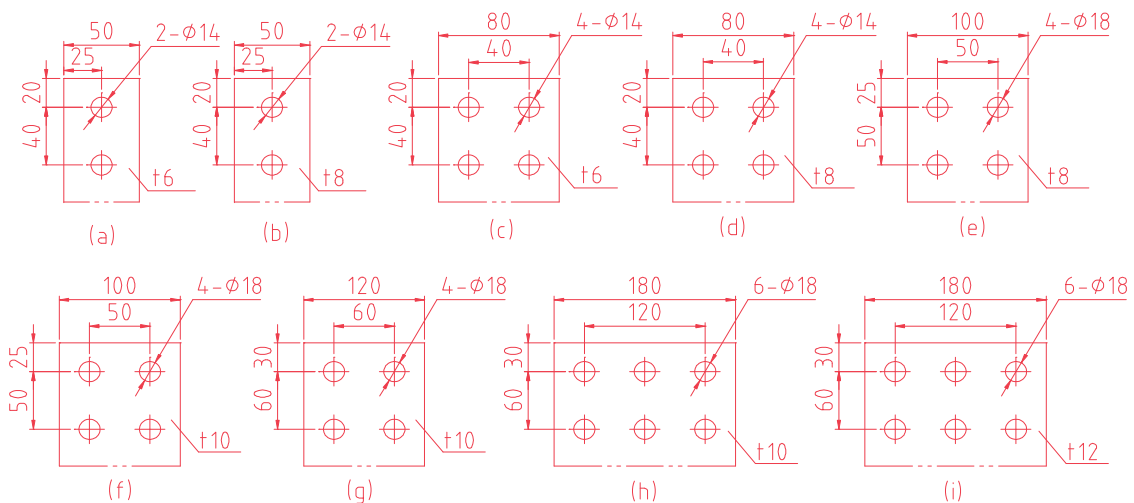
Flange Dimension

CAPACITY (KVA)	L1	L2	L3	W1	W2	W3
≤800	112.5	500	400	105	260	160
1000~1250	112.5	500	400	115	280	180
1600	150	650	550	125	300	200
2000~2500	150	650	550	155	360	260

SC10 (Cont...)



Sealed LV Terminal Dimensions



SC10-35kV

SC10 Type 35kV Dry Type Power Transformer with off-circuit switch Performance Characteristic and Outline Dimension

TYPE	HV	LV	HV TAPPING	P ₀	P _{k75°C}	I ₀	U _k	L _{PA}	G _t	CONNECTION GROUP	L X W X H	TRACK
	kV	kV	%	w	W	%	%	dB(A)	kg	Symbol	mm x mm x mm	mm x mm
SC10-800/35	35	3.15	±5	2220	8160	0.6	6	50	3600	Yd11 YNd11 Dyn11	1950×940×2060	820 x 820
SC10-1000/35				2640	9480	0.6	6	50	4200		2020×940×2150	
SC10-1250/35				3090	11210	0.6	6	52	4900		2120×940×2230	1070 x 1070
SC10-1600/35				3640	13440	0.5	6	52	5800		2300×1300×2240	
SC10-2000/35				4180	15830	0.5	7	53	6400		2340×1300×2360	1470 x 1475
SC10-2500/35				4800	18970	0.5	7	54	7500		2480×1300×2280	
SC10-3150/35				5960	21280	0.4	8	56	9000		2600×1300×2400	1800 x 1475
SC10-4000/35				6500	25570	0.4	8	56	11000		2620×1300×2710	
SC10-5000/35				8270	30350	0.4	8	58	13000		3030×1700×2600	2×1160×1475
SC10-6300/35				9780	35460	0.3	8	58	14700		3030×1700×2744	
SC10-8000/35				11200	40000	0.3	9	58	19200		3170×1800×2850	
SC10-10000/35				12800	48250	0.3	9	58	22300		3420×1800×3000	
SC10-12500/35				15560	55080	0.2	9	60	26000		3680×1800×3000	
SC10-16000/35				18300	63000	0.2	9	61	29800		3780×1800×3070	
SC10-20000/35				20000	69000	0.2	10	62	36000		3860×1800×3246	2×1310×1475

The data listed in the above table are only for reference, when special design is needed because of required performance varies, only the confirmed drawing and outline drawing can be considered.

SCZ10-35kV Dry Type Power Transformers with on-load Tap changing Performance Characteristic and Outline Dimension

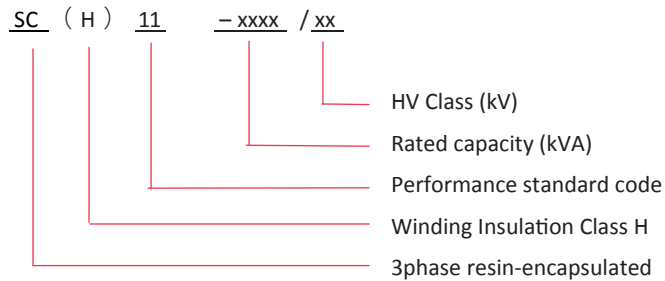
TYPE	HV	LV	HV TAPPING	P ₀	P _{k75°C}	I ₀	U _k	L _{PA}	G _t	CONNECTION GROUP	L X W X H	TRACK	
	kV	kV	%	w	W	%	%	dB(A)	kg	Symbol	mm x mm x mm	mm x mm	
SCZ10-5000/35	35	6.3	±4×2.5	8270	30350	0.4	8	58	13500	Yd11	3120×1800×2620	1800 x 1475	
SCZ10-6300/35				9780	35460	0.3		58	16000		3500×2400×2890		
SCZ10-8000/35				11200	40000	0.3		58	19500		3500×2640×2900		
SCZ10-10000/35		38.5		10	12800	48250	0.3	9	58	23000	Dyn11	4100×2650×3000	2×1160×1475
SCZ10-12500/35				10.5	15560	55080	0.2		60	26500		4250×2550×3030	2×1205×1475
SCZ10-16000/35					18300	63000	0.2		61	30500		4300×2550×3100	2×1270×1475
SCZ10-20000/35					20000	69000	0.2		10	62		36800	4400×2600×3276

The data listed in the above table are for reference, when special design is needed because of required performance varies, only the confirmed drawing and outline drawing can be considered.

10kV SC(H)11-30~500kVA

SC(H)11-30~500kVA 10kV Distribution Transformers

1. Type designation



2. Standards

GB/T10228, GB1094.11, IEC60076, DIN42523

(Rated HV) : 10 (11、10.5、6.6、6.3、6) kV
(Rated LV) : 0.4kV

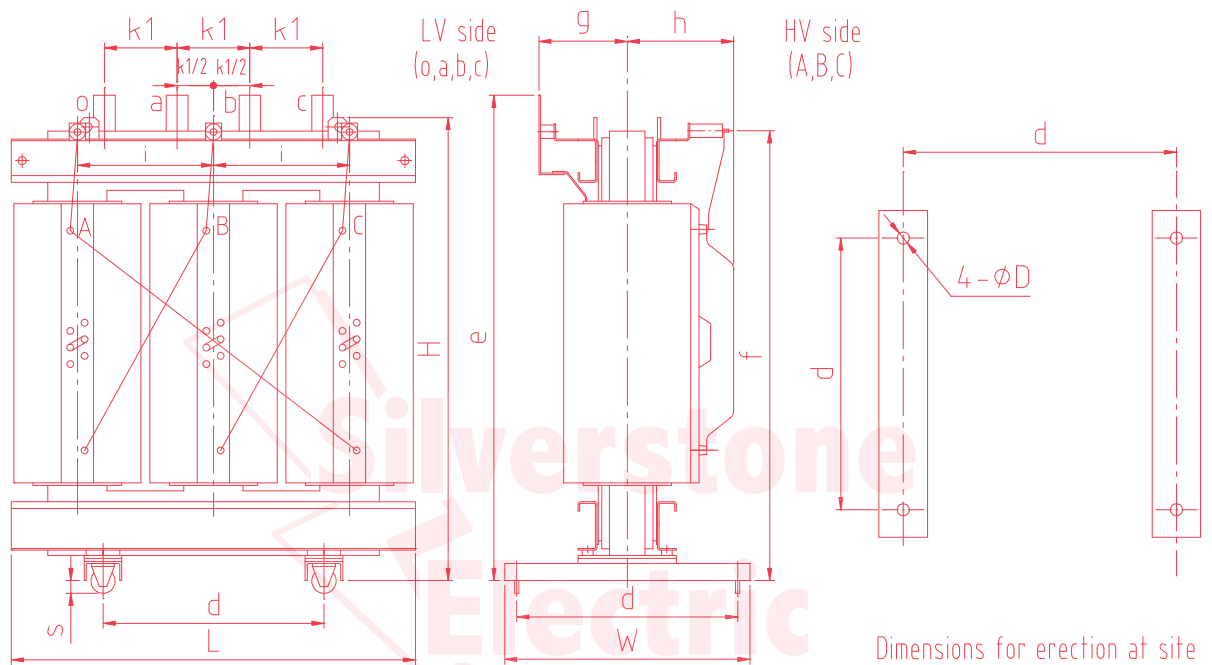
(Connection symbol) : Dyn11 or Yyn0
(Insulation level) : LI75AC35/AC

TYPE	P ₀	P _{k75°C}	I ₀	U _k	L _{PA}	G _t	DIMENSIONS (MM)												LV TERMI- NALS
	w	W	%	%	dB(A)	kg	L	W	H	d	e	f	g	h	i	K1	S	D	
SC(H)11-30/10	170	720	2.0	4	44	300	820	630	750	550	782	708	225	327	280	150	50	14	a
SC(H)11-50/10	240	1010	1.8		44	400	820	630	841	550	872	799	228	328	280	150	50	14	a
SC(H)11-80/10	330	1400	1.4		44	475	900	630	870	550	902	829	237	338	305	150	50	14	a
SC(H)11-100/10	350	1600	1.2		44	600	940	630	900	550	932	858	245	345	320	150	50	14	a
SC(H)11-125/10	410	1890	1.0		48	660	940	630	980	550	1013	938	245	345	320	150	50	14	a
SC(H)11-160/10	470	2170	0.8		48	790	1040	630	988	550	1044	946	261	361	350	150	50	14	b
SC(H)11-200/10	540	2580	0.7		48	850	1040	630	988	550	1044	946	261	361	350	150	50	14	b
SC(H)11-250/10	630	2800	0.7		48	1010	1070	750	1058	660	1104	1006	268	369	360	200	62	18	b
SC(H)11-315/10	770	3530	0.6		48	1220	1130	750	1078	660	1139	1026	279	378	380	200	62	18	c
SC(H)11-400/10	860	4070	0.6		48	1450	1180	750	1158	660	1219	1106	283	381	395	200	62	18	c
SC(H)11-500/10	1020	4980	0.5		50	1750	1230	750	1293	660	1354	1239	286	384	415	200	62	18	c

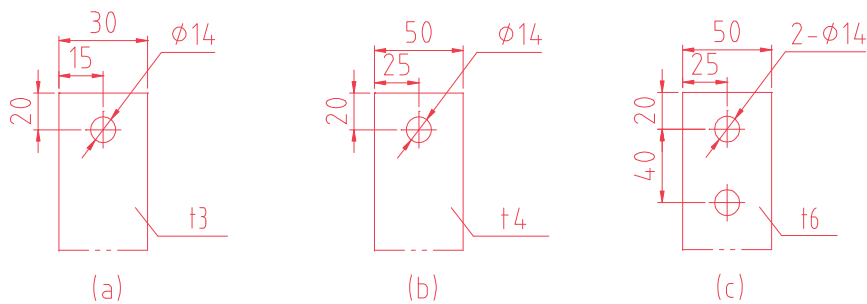
The overall dimensions listed in the above table are only for reference, the final dimensions will be indicated in the outline drawing.

10kV SC(H)11-30~500kVA (Cont...)

SC(H)11-30~500kVA 10kV Distribution Transformer Outline Drawing



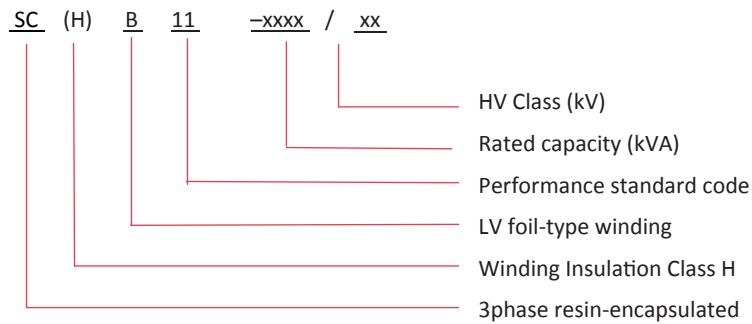
LV Terminal Dimensions



10kV SC(H)B11-630~2500kVA

SC(H)B11-630~2500kVA 10kV Distribution Transformers

1. Type designation



2. Standards

GB/T10228, GB1094.11, IEC60076, DIN42523

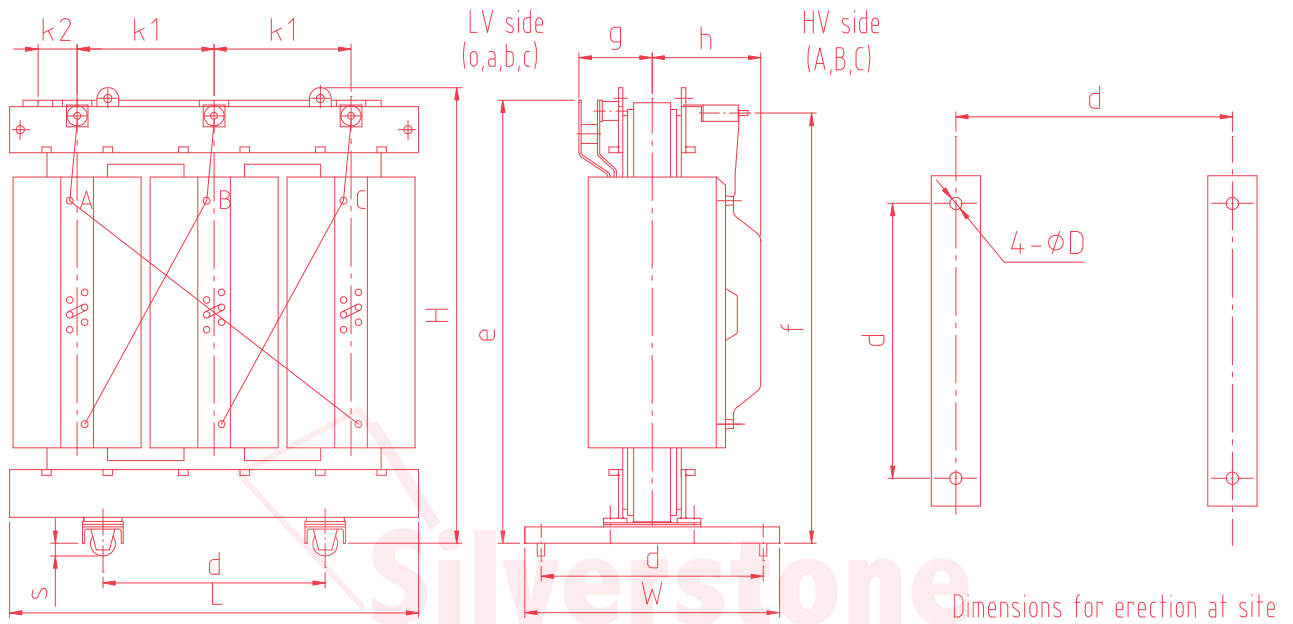
(Rated HV) : 10 (11、10.5、6.6、6.3、6) kV
(Rated LV) : 0.4kV

(Connection symbol) : Dyn11 or Yyn0
(Insulation level) : LI75AC35/AC3

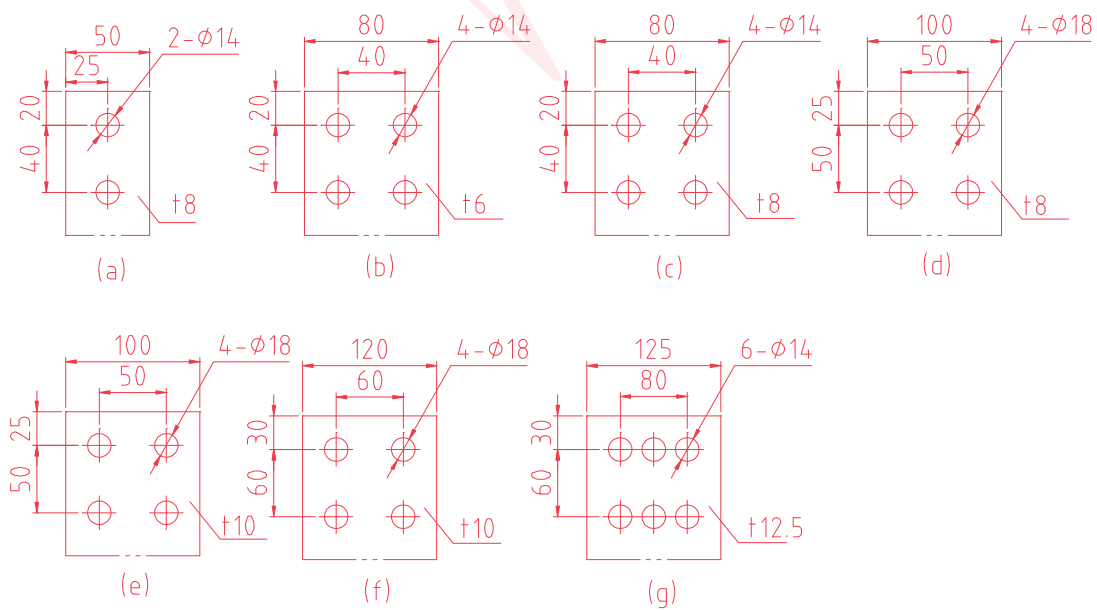
TYPE	P ₀	P _{k75°C}	I ₀	U _k	L _{PA}	G _t	DIMENSIONS (MM)												LV TERMI- NALS
	w	W	%	%	dB(A)	kg	L	W	H	d	e	f	g	h	K1	K2	s	D	
SC(H)B11-630/10	1170	5990	0.5	4	48	1980	1980	750	1253	660	1193	1152	243	349	450	130	62	18	a
SC(H)B11-630/10	1140	6070	0.5		48	1970	1970	750	1233	660	1173	1130	240	345	465	130	62	18	a
SC(H)B11-800/10	1330	7070	0.4		48	2240	2240	940	1278	820	1218	1178	263	352	490	170	58	18	b
SC(H)B11-1000/10	1550	8280	0.4		48	2720	2720	940	1398	820	1338	1298	272	355	500	180	58	18	c
SC(H)B11-1250/10	1830	9880	0.4	6	50	3200	3200	940	1478	820	1428	1378	277	360	545	180	58	18	d
SC(H)B11-1600/10	2150	11940	0.3		50	4000	4000	940	1593	820	1533	1483	335	370	570	190	84	22	e
SC(H)B11-2000/10	2640	14680	0.3		50	4900	4900	940	1638	820	1588	1528	338	375	595	195	84	22	f
SC(H)B11-2500/10	3110	17510	0.3		52	5860	5860	940	1843	820	1793	1733	354	380	630	200	84	22	g
SC(H)B11-1600/10	2150	13190	0.3		50	4200	4200	940	1563	820	1503	1453	331	364	610	190	84	22	e
SC(H)B11-2000/10	2640	16200	0.3	8	50	4700	4700	940	1623	820	1573	1513	334	370	620	195	84	22	f
SC(H)B11-2500/10	3110	19260	0.3		52	5400	5400	940	1663	820	1613	1553	354	380	660	200	84	22	g

The overall dimensions listed in the above table are only for reference, the final dimensions which can be considered are in the outline drawing.

10kV SC(H)11-630~2500kVA (Cont...)

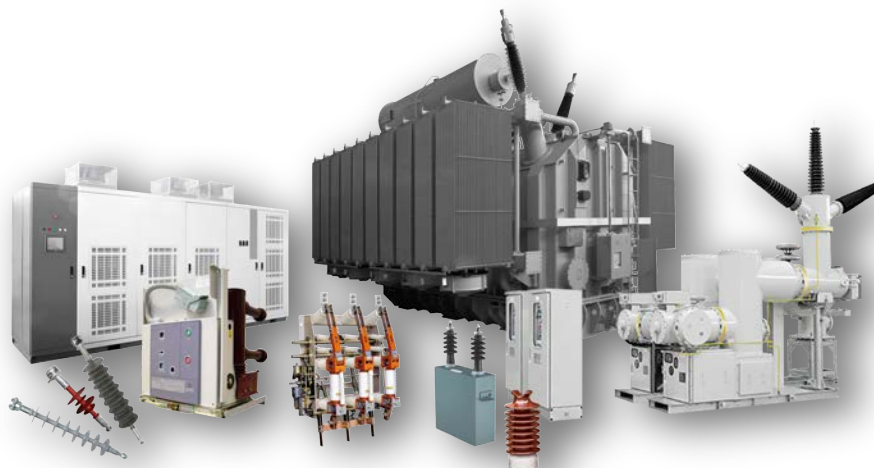


LV Terminal Dimensions



Silverstone Electric

Your Premium Electric Supplier



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