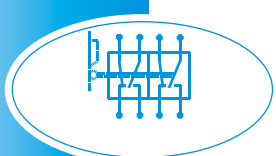
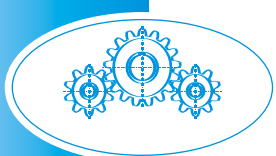
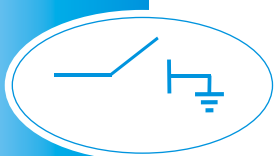
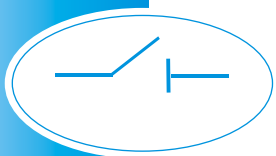
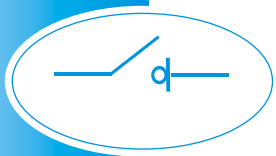
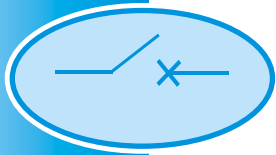




ISO 9001: 2000



**3AH5**

04.01.02.RU

# 3AH5

## 1.

3 5 ;

• ;

• ;

• ;

• 10000 ;

• ;

• ;

3 5, 3 5

( ) .

• ;

• ;

• ;

• ;

• ;

12 36 ;

13,1 31,5 ;

800 2500 ;

160 350 .

## 2.

•

•

( )

(4)

(1).

(7).

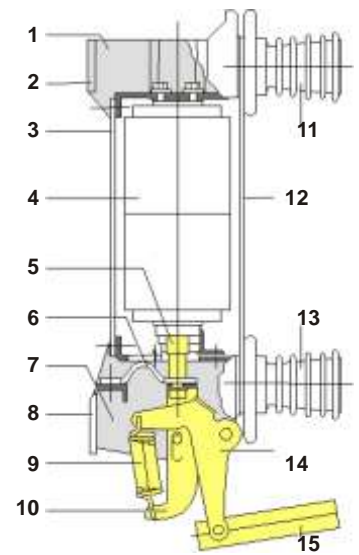
(3) (12)

(15), (14)

(19)

(10)

(5).



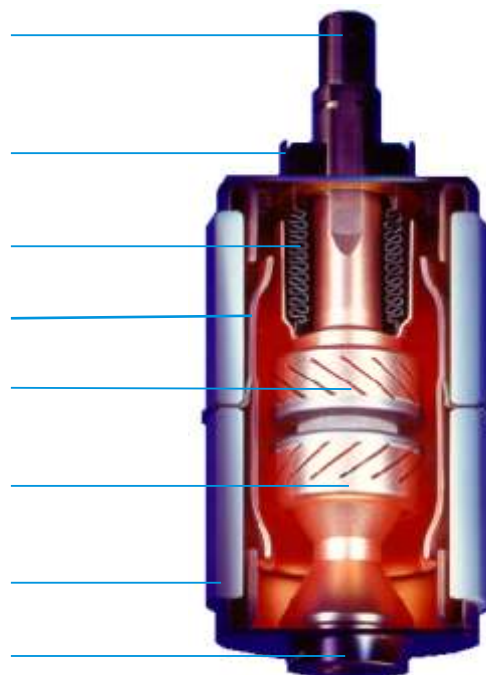
- 1 -
- 3 -
- 6 -
- 8 -
- 10 -
- 13 -
- 4 -
- 7 -
- 9 -
- 11 -
- 14 -
- 2 -
- 5 -
- 12 -
- 15 -

( )

3 5

2 3

15



20 200

6 20

$10^{-9}$

(U),

( )

WY? ( ).

# 3AH5

(Trip-free) 3 5 IEC56 DIN  
VDE 0670  
)  
IEC56 DIN VDE  
0670

## 3.

3 1103

3 5

3 5 1  
3AY1510 (  
)  
()

- 3AY1510
- AN 1901 ( :1 1,8 2,5 ),
- AN 1902 ( :0,5 0,9 1,5 ),
- 3 1101

3AY1510.

( )  
( )

• 3 1102

0,5

500

4 5).  
90%

( ) (=

• 3 1104,

$\geq 0,1$   
7SJ41 (=

e e

$\geq 0,1$

S6.

(Z= , R= )  
• 6R + 6Z

S7,

AC/DC 250

C DIN VDE 0110

10 A

50 A

2 A

DC 220 , T = 20

# 3AH5

## 4.

						( )				
						« »				
3AY1510						« »				
						2				
						0,5				
						0,1				
6R+6Z	1	12R+12Z	2			3AY15 10	3AX11 01	0,5 A 3AX11 02	0,1 Ws 3AX11 04	3AX11 03
						1	1	1	1	1
						1	1	1	1	1
						1	1	1	1	1
						1	1	1	1	1
						1	1	1	1	1
(DC > 60 )										
						1) : 5R+4Z				
						2) : 11R+10Z				
( 230 )										

## 5.

		DC	50/60	DC		50/60		Ws
		W	A	DC	50/60			
1.	3AY15 10	100	100	85	110 % U	85	110 % U	-
( )	3AY15 10	100	100	70	110 % U	85	110 % U	-
2.	3AX11 01	70	50	70	110 % U	85	110 % U	-
( )	3AX11 03	20	20	35	0 % U	35	0 % U	-
( 0,5 )	3AX11 02	-	10	-		90	110 % I <sub>a</sub>	-
( )	3AX11 04	-	-	-		-		>= 0,1

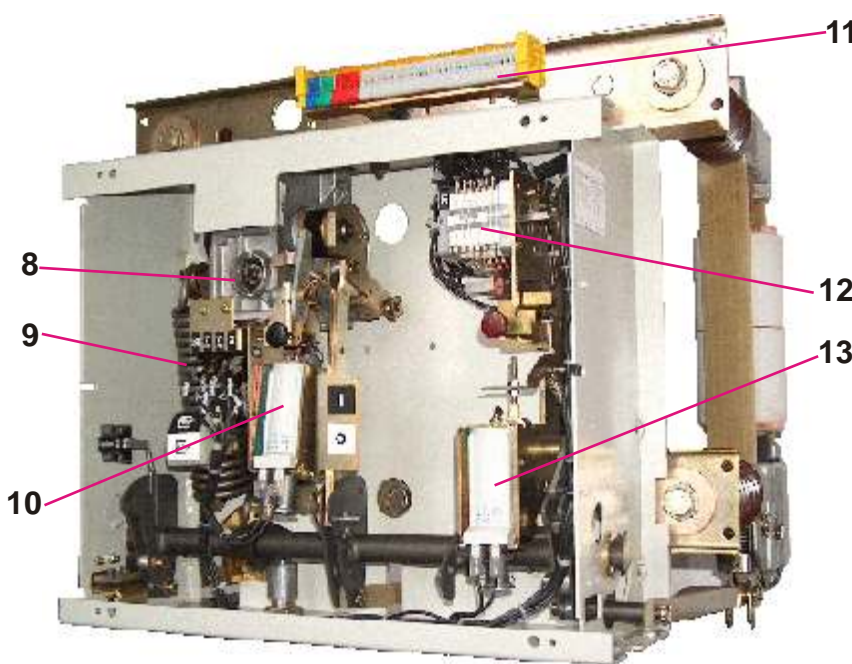
## 6.

						A	G
DC	24	26	20	350	-	8	
	48	53	41	350	-	6	
	60	66	51	350	-	4	
	110	121	93	350	-	2	
	220	242	187	350	-	1,6	
AC	110	121	93	-	400	2	
	230	244	187	-	400	1,6	

## 7.



- 1
- 2
- 3 «
- 4 »
- 5 -
- 6
- 7



- 8
- 9
- 10
- 11 ( )
- 12 - S1
- 13

# 3AH5

**3AH5 123-1**  
20 kA / 800 A



**3 5:**

- ,  
- ,  
-

## 8.

$U_r$ kV	$I_{sc}$ kA	$I_{ma}$ kA	*	$I_r$ ( ) A			
				800 A	1250 A	2000 A	2500 A
<b>12</b>							
$U_p = 75$ kV $U_d = 28$ kV	13,1	32,8	160	<b>3AH5 121-</b> □	← 1		
			210	<b>3AH5 131-</b> □	← 1		
	16	40	160	<b>3AH5 122-</b> □	← 1	2	
			210	<b>3AH5 132-</b> □	← 1	2	
	20	50	160	<b>3AH5 123-</b> □	← 1	2	
			210	<b>3AH5 133-</b> □	← 1	2	
	25	63	160	<b>3AH5 124-</b> □	← 1	2	
			210	<b>3AH5 134-</b> □	← 1	2	
	31,5	80	210	<b>3AH5 135-</b> □	←	2	6
<b>17,5</b>							
$U_p = 95$ kV $U_d = 38$ kV	25	63	160	<b>3AH5 204-</b> □	← 1	2	
			210	<b>3AH5 214-</b> □	← 1	2	6
	31,5	80	210	<b>3AH5 215-</b> □	←	2	6
<b>24</b>							
$U_p = 125$ kV $U_d = 50$ kV	16	40	210	<b>3AH5 272-</b> □	← 1	2	
			275	<b>3AH5 282-</b> □	← 1	2	
	20	50	210	<b>3AH5 273-</b> □	←	2	6
			275	<b>3AH5 283-</b> □	←	2	6
	25	63	210	<b>3AH5 274-</b> □	←	2	6
			275	<b>3AH5 284-</b> □	←	2	6
<b>36</b>							
$U_p = 170$ kV $U_d = 70$ kV	16	40	350	<b>3AH5 312-</b> □	←	2	
	25	63	350	<b>3AH5 314-</b> □	←	2	4

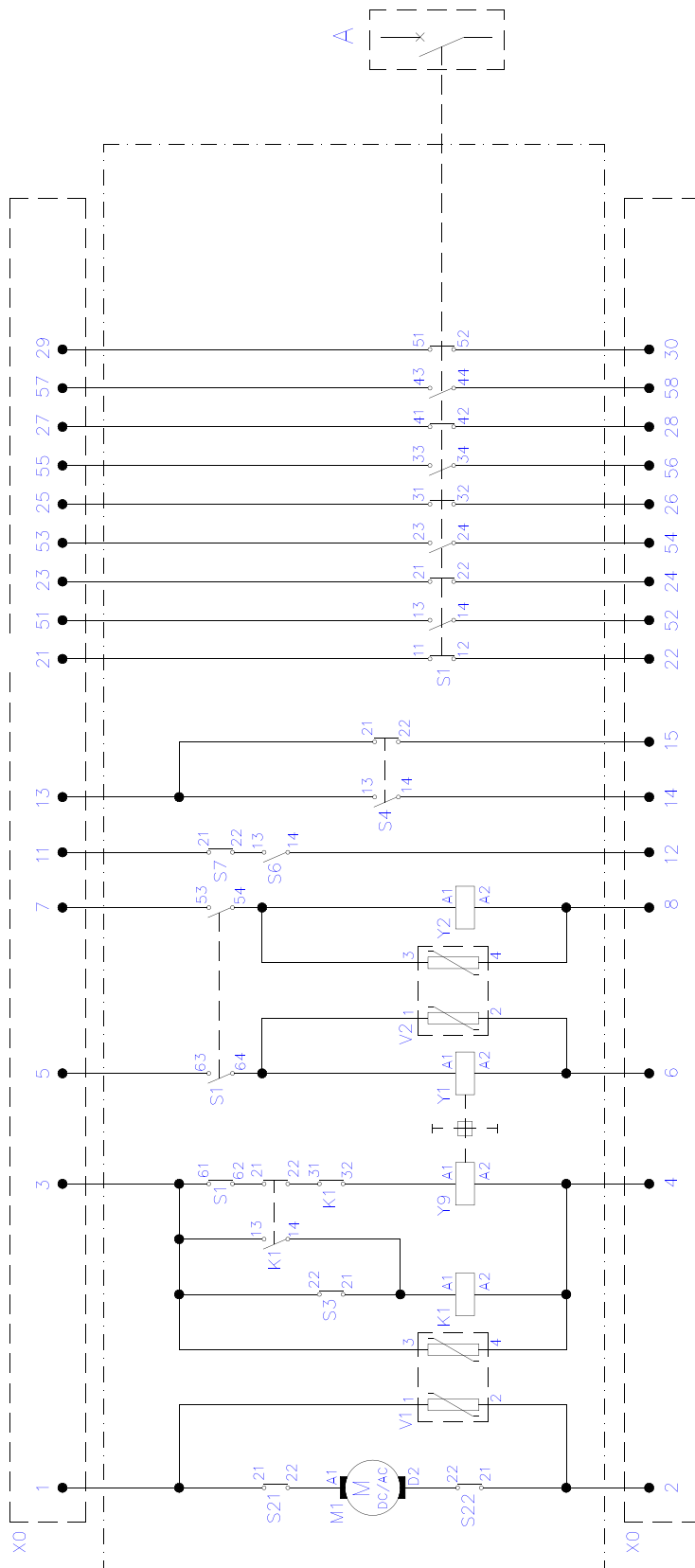
\*

$I_r$   
 $I_{sc}$   
 $I_{ma}$

$U_r$   
 $U_d$   
 $U_p$

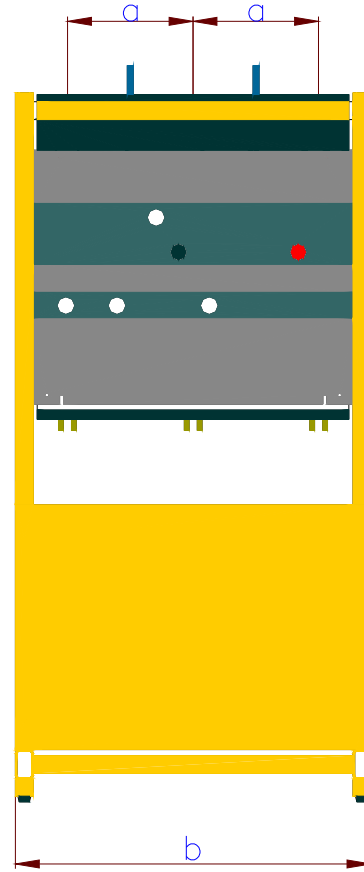
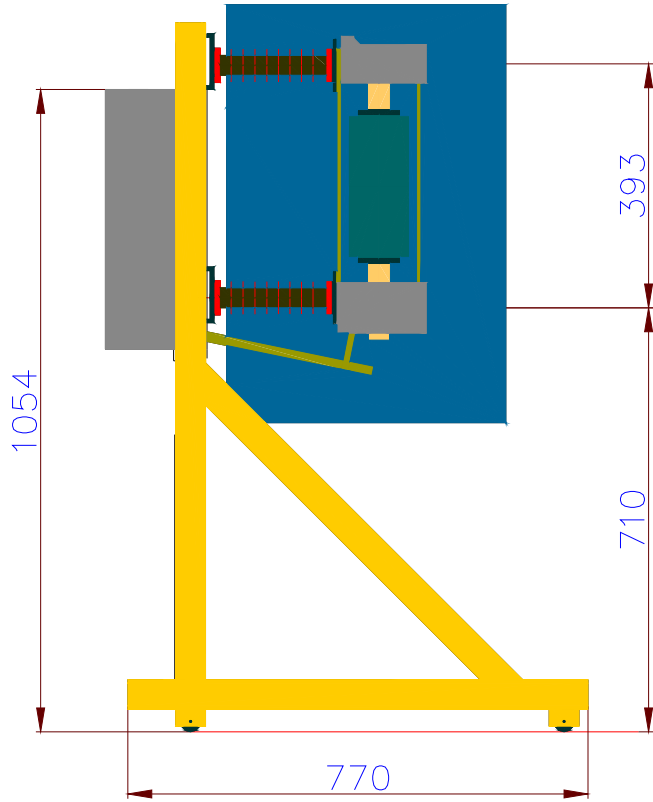


## 9. 3 5-



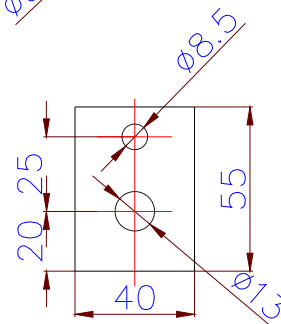
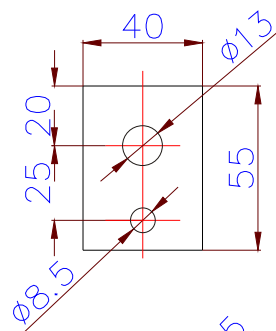
- 1- ( )
- 1- ( )
- S1- ( )
- S21, S22- ( )
- S3- ( )
- S4- ( )
- S6- ( )
- S7- ( )
- V1, V2- ( )
- X0- ( )
- Y1- ( )
- Y2- ( )
- Y9- ( )
- A-

# 3AH5

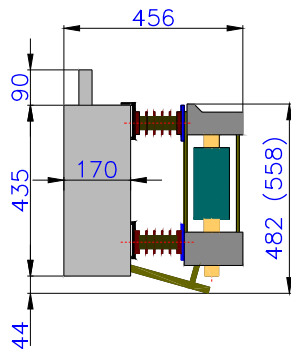
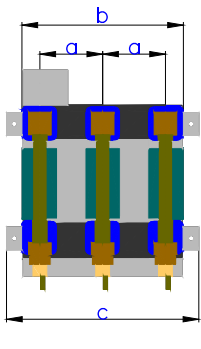


210 275 17,5 24 .

a	b
210	598
275	714



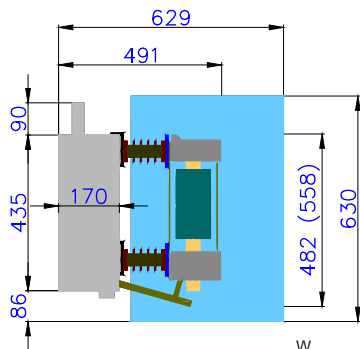
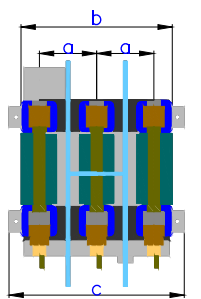
## 11.



### 12 k

$I_{sc}$ kA	$I_r$ A	* 160					* 210					
		a	b	c	a	b	c	a	b	c		
13,1	16	1250	160	390	490	35	45	210	490	592	40	50
20	25	1250	160	405	490	40	45	210	505	592	45	50
31,5	1250	-	-	-	-	-	-	210	505	592	50	70
31,5	2500	-	-	-	-	-	-	210	539	592	70	70

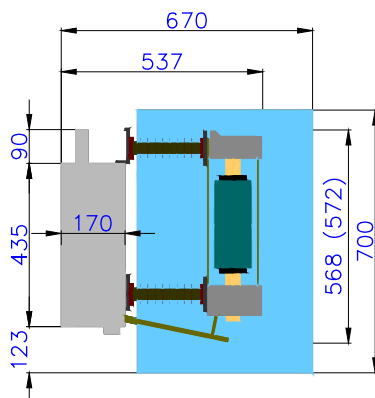
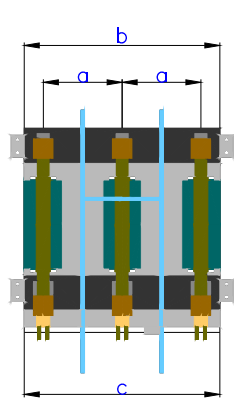
2500 A



### 17,5 k

$I_{sc}$ kA	$I_r$ A	* 160					* 210				
		a	b	c	a	b	c	a	b	c	
25	1250	160	422	490	40	45	210	522	592	45	50
31,5	1250	-	-	-	-	-	210	522	592	45	50
25	31,5	2500	-	-	-	-	210	539	592	65	65

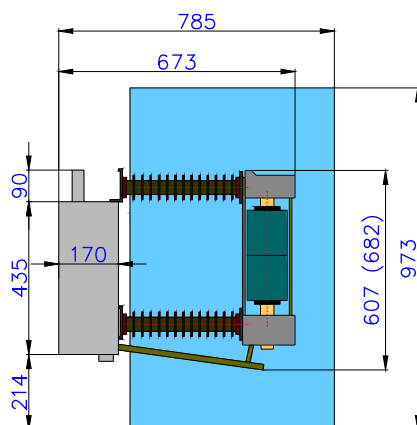
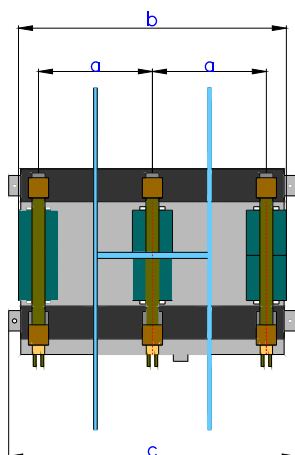
2500 A  
160



### 24 k

$I_{sc}$ kA	$I_r$ A	* 210					* 275					
		a	b	c	a	b	c	a	b	c		
16	25	1250	210	516	592	55	70	275	646	708	55	70
20	25	2500	210	539	592	70	85	275	669	708	70	85

2500 A  
210



### 36 kV

$I_{sc}$ kA	$I_r$ A	PMB* 350 mm					
		a	b	c	a	b	c
16	25	1250	350	819	868	85	95
25	2000	-	350	819	868	100	110

2000 A

# 3AH5

.....  
..... A  
..... A  
.....  
3AH5 \_ \_ \_ - \_ ( , .8)

( )  AC  DC \_ \_ \_

3AY15 10  AC  DC \_ \_ \_

3AY15 10  AC  DC \_ \_ \_

- 6R+6Z

(S6 S7)

(S4)

(DC > 60 )

3AX11 01  AC  DC \_ \_ \_ V  
 0,5 3AX11 02  AC  DC \_ \_ \_ V  
 0,1 3AX11 04  AC  DC \_ \_ \_ V  
 3AX11 03  AC  DC \_ \_ \_ V  
 - 12R+12Z  
 ( )  
  
 ( 230 ) ( , .6)

+ : ( )

