

3VT switch disconnectors can be used together with defined associated protective elements (circuit breaker, fuse) in a position of electric circuit where the value of short circuit current I_k is smaller, at the most equal to the relevant value in the tab

Backup fuses for switch disconnectors

Associated protective element	Switch disconnector type				
	I_k'' [kA]/400 V a.c.				
	3VT1	3VT2	3VT3	3VT4	3VT5
3VT1 with TMTU	25	25	25	25	25
3VT2 with ETU	18	18	36 1); 65 2)	36 1); 65 2)	36 1); 65 2)
3VT3 with ETU	no	no	36 1); 65 2)	36 1); 65 2)	36 1); 65 2)
3VT4 with ETU	no	no	no	50	50
3VT5 with ETU	no	no	no	no	50
Fuse gG max. $I_n = 125A$ 3)	100	yes 3)	yes 3)	yes 3)	yes 3)
Fuse gG max. $I_n = 224A$ 3)	no	65	yes 3)	yes 3)	yes 3)
Fuse gG max. $I_n = 500A$ 3)	no	no	65	yes 3)	yes 3)
Fuse gG max. $I_n = 630A$ 3)	no	no	no	65	65

1) Values in the tabel correpondes to circuit breaker with $I_{cu} = 36kA$

2) Values in the tabel correpondes to circuit breaker with $I_{cu} = 65kA$

3) The maximal value of starting sudden short circuit current, up to which it is possible to use switch disconnector with associated fuse link of smaller rated currents (see 3) is determined on basis of equality of limited current i_o .

- The rated current

I_{cw} values for 3VT switch disconnectors

Associated protective element	Switch disconnector type		
	I_{cw} [kA eff.]/ 400 V a.c.		
	500ms	1sek	5sek
3VT1 switch disconnector	2	2	
3VT2 switch disconnector	3	3	3
3VT3 switch disconnector	7,5	7,5	7,5
3VT4 switch disconnector	15	15	
3VT5 switch disconnector	20	20	