

# Technical Data SHT

## Shunt trip releases SHT

### General parameters

Remotely opens the breaker after supplying of control impulse

Operating voltage range 85-110 % of nominal value  $U_e$ . Maximum allowed control command length 2 s (can be blocked e.g. by means of NO auxiliary contact)

### Electrical parameters

Operating voltage $U_e$	220-240 V AC 380-415 V AC 24 V DC 48 V DC 110 V DC 220 V DC
Operating threshold (IEC/EN 60947-2)	70 - 110% $U_e$
Pick-up power time 100ms	
AC	200 VA
DC	200 W
Power consumption	
AC	5 VA
DC	5 W
Minimum duration of control impuls	0.2 s
Max. allowed duration of control impuls	2 s
Circuit breaker opening time	< 30 ms
Breaking time	50 ± 10 ms
Insulation voltage	2 kV
Peak current	6 x $I_n$
ACB secondary terminals	#31, 32 (secondary SHT is connected to #35, 36 instead of UVT, see page 45)

### Connection diagram for long control signals

In case external control circuit cannot assure not-exceeding of max. impuls duration, AX contact of NO configuration can be used for limiting (direct connection with SHT 230 or 400 V AC, signal to advanced control system in case of use of SHT for DC control voltages due to maximum allowed current of AX).

