

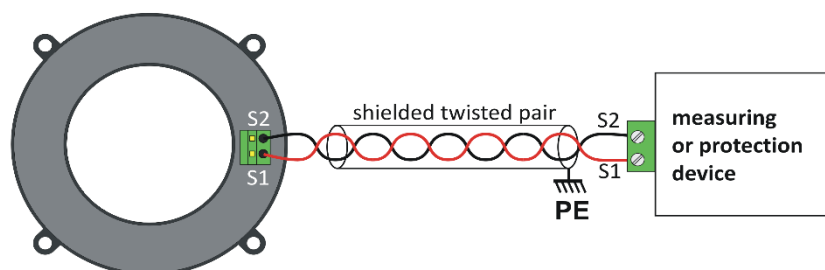
Installation instructions



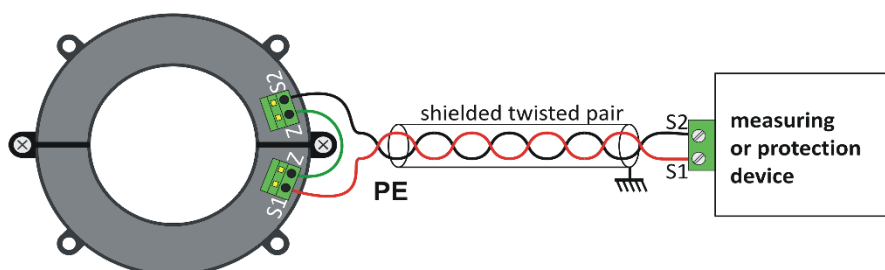
CR and CRR transformers may be disconnected and connected during operation without the need short-circuit the output terminals.



CR and CRR current transformers do not require any additional actions after installing and running the switchboard.



Wiring diagram of CR transformer



Wiring diagram of CRR transformer

The connection cables should be made of shielded twisted-pair. Shield should be attached to the EP only from the side of the measuring or protection device (bay controller). The parameters required for the connecting cable, depending on its length, are specified in the table:

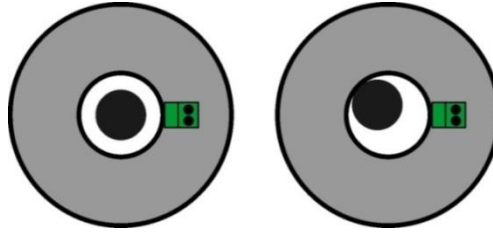
| Transmission system for low power transformers | Long-term electric strength | Voltage impulse electric strength |
|--|-----------------------------|-----------------------------------|
| Length of connecting cable <10 m | 820 V | 1,5 kV 1,2/50 μ s |
| Length of connecting cable \geq 10 m | 3 kV | 5 kV 1,2/50 μ s |



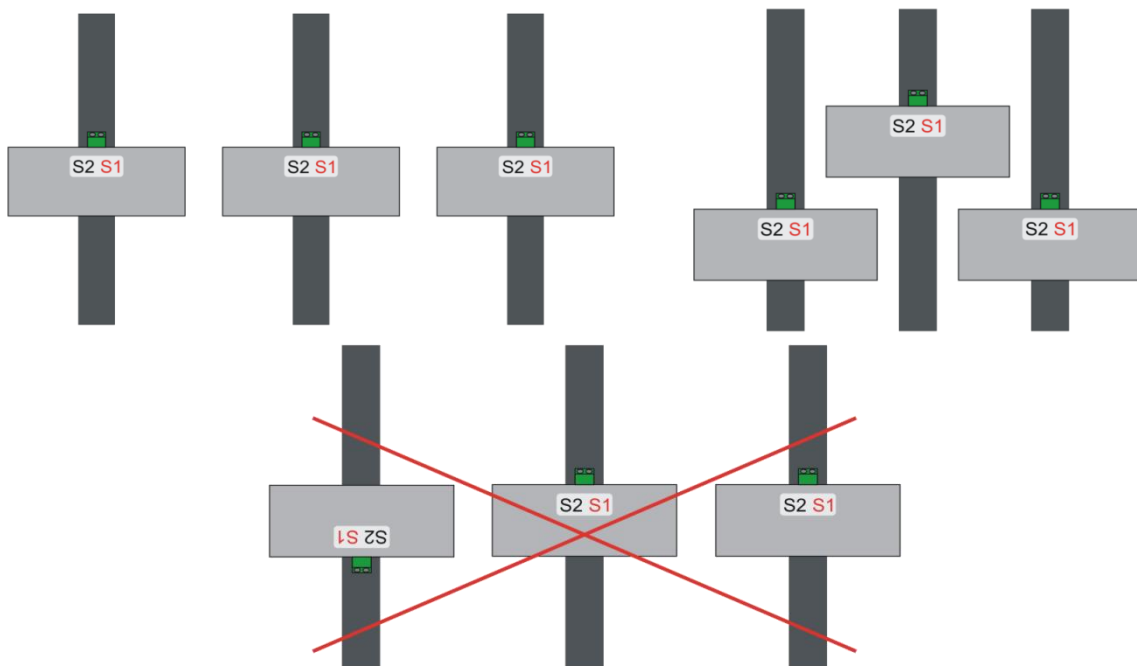
The recommended type of connecting cable that meets the above requirements - Belden 9501 or LIYCY 2x0,5.



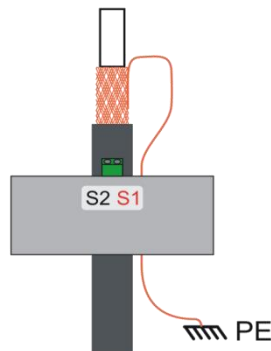
Current cable or current conductor rail doesn't have to be put centrally in the mouth of the transformer. If current conductor is placed with the shift, it does not affect on the quality of work of the transformer.



You must keep the same position (the orientation) of all transformers in relations to current cables. The transformers may be shifted to each other, but you must keep the same position (the orientation) of all transformers in relations to each other.



Current conductor weaved through mouth of the transformer can not have a shield, or the shield should be weaved through back. Lead of the screen should be interleaved by the transformer in the direction opposite to the screen of the cable, so that the magnetic fields generated by current flowing in the screens abolished each other.



The cable should be secured against movement by using attachment elements or cable ties.