# SELECTION GUIDE Automatic switchover boxes - Fronius „FULL BACKUP“ D-**A**-CH - **AUSTRIA**

**These switchover boxes support FRT functionality! (Required for the Austrian market)**

**Maximum pre-fuse (mains): ≤ 63A!**
**Please observe the circuit diagrams!**

| NETFORM CONFIGURATION | | TYPE OF DISCONNECTION | |
|---|---|---|---|
| **Mains** | **Consumer installation** | **three-pole** | **all-pole** |
| ① **TN-C** (PEN-conductor) | **TN-S*** | ✓recommended* | ✓permitted** |
| ② **TT** | **IT** | × prohibited | ✓permitted*** |
| ③ **TT** | **TT** | × prohibited | ✓permitted**** |
| ④ **TN-C** (PEN-conductor) | **TN-C** (PEN-conductor) | × prohibited | × prohibited |

* The separation of PEN into PE + N has to be done before connecting the switchover box (point of view: mains connection)!

** Three-pole disconnection is always preferable, but if the maximum length of 2 m from neutral conductor-connection to ground (equipotential bonding rail) won't be able to meet you have to do an all-pole disconnection! (Referring to OVE E 8101, section 5,55; link in TAEV 2020/II/112-"6.11.4 „switchover device„)

*** According to OVE R20:2016: Island operation within IT system is feasible, **but there's no enwitec switchover box for this application available at present!**

**** According to OVE E 8101:2019: Protection measure by usage of a decentralised grounding device is accepted! Please contact your grid operator and ask additionally for permission!