

# Synchroniser, HAS-111DG

Manual or Semi-automatic Synchronisation



## HAS-111DG Features

- ✓ Synchronisation of generator to busbar
- ✓ Setting of phase angle difference
- ✓ Setting of frequency and voltage difference
- ✓ LED indication of status
- ✓ LED for synchronising signal
- ✓ 35 mm DIN rail or base-mounting

The HAS-111DG synchroniser is applied to check the synchronisation conditions. It can be used in installations requiring manual or semi-automatic synchronisation, like tie breakers.

The paralleling Uni-Line relay transmits a synchronisation pulse when the phase angle, frequency and voltage deviations are within the set limits.

HAS-111DG also comes with two analogue outputs for regulating purposes with DEIF's Load Sharing Units.

## HAS-111DG Type Approvals

