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Smart encoders & actuators

Switching between two SSI encoders

IF11 allows an SSI Master to switch data transmission between two SSI encoders. By means of a 24 V CTRL digital commutation signal, SSI telegrams switch from one encoder to the other. An automatic internal synchronisation guarantees a correct information flow at changeover.

- *Digital switching between two SSI encoders*
- *Automatic internal synchronization of signals*
- *Cascadable for several SSI encoders*
- *Slim and space-saving housing for DIN rail mounting (according to IEC/EN 60715)*

IF11 is designed for contactless (non mechanical), **bounce-free switching between two SSI encoders and one SSI Master unit.**
The switching operation is under control of a remote signal (HTL, 24 V). Moreover there is an automatic internal synchronisation to the next SSI signal pause, avoiding fragmented SSI telegrams and wrong information while commutation is in progress.
Typical applications can be found in handling and conveyor technology, where one Master unit must evaluate the signals of two independent SSI encoders for summing or differential information.
wWe can find applications also in drives and automation such as automatic roll change "on the fly", or redundant systems using several encoders for safety requirements.
IF11 uses a narrow and space-saving plastic housing, suitable for DIN rail mounting (according to IEC/EN 60715). Two LEDs are mounted on the front panel for easy diagnostics.

The Picture below shows operation schematically.