



SK-IK

COUNT ADAPTER SK-IK to connect machines with MES

- collects and counts part made pulses from up to 32 machines
- collects machine status signals (down, running in auto-mode, etc.)
- 2 inputs per machine (can be logically combined)
- current machine status (up/down) and performance (speed and produced quantities) are automatically calculated and sent to MES
- 1 output per machine (to freeze machine in case of missing data such as no down code given, no job started, no operator signed in)
- integrated 24 VDC power supply which can also be used to power external sensors such as light beams, proximity switches, etc
- terminal connectors for all inputs and outputs
- connection to MES via integrated Ethernet port
- available in versions for 8, 16, 24 and 32 machines

SK-IK Count Adapter

Central terminal unit to collect part made pulses and/or status signals (machine up/down). The SK-IK unit calculates machine up/down time, machine speed (cycle time/output rate) as well as produced quantities and sends that information to MES. When regular part pulses are received, the system knows that this machine is in production. When the pulses start missing, the machine is automatically assigned to down mode.

Further information such as job number, down codes, operator number, etc., if desired, are collected parallel via separate machine or group terminals located on the shop floor in the vicinity of the machines.

Technical Data

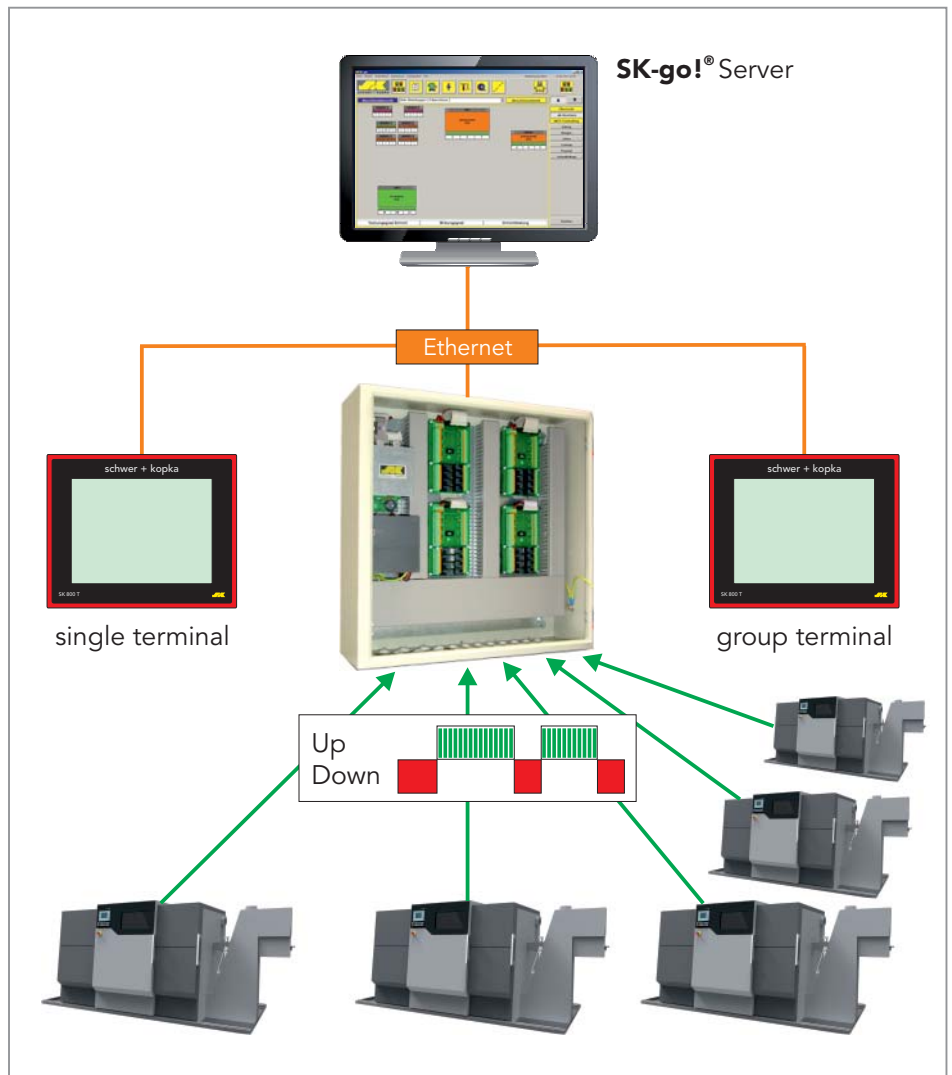
- 2 inputs per machine (both can be logically combined)
- 1 switching output per machine
- integrated power supply unit (24 VDC, 300 W)
- terminal connectors for all input and output signals
- Ethernet-Port
- built in a sturdy and lockable industrial sheet metal enclosure

Available versions

- Model SK-IK 8, for 8 machines, Dimensions: 400B x 600H x 200T Part-No. 8300108
- Model SK-IK 16, for 16 machines, Dimensions: 400B x 600H x 200T Part-No. 8300116
- Model SK-IK 24, for 24 machines, Dimensions: 600B x 600H x 200T Part-No. 8300124
- Model SK-IK 32, for 32 machines, Dimensions: 600B x 600H x 200T Part-No. 8300124

All dimensions given are in mm.

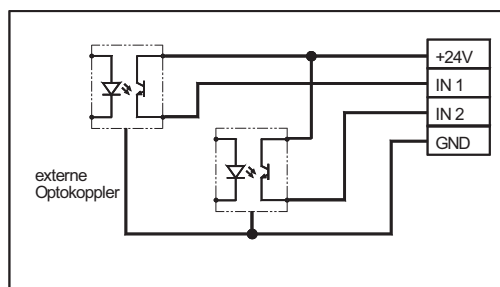
Please note that some features listed above are optional even if not specifically mentioned. Technical modifications are possible without prior notice.



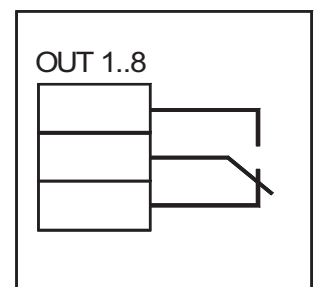
Connecting diagrams SK-IK Count Adapter

2 inputs per machine are provided for part made pulse, machine cycle pulse, machine status signals etc.. Both inputs can be logically combined to ensure that the inputs really tell the difference between productive and unproductive machine cycles.

1 output relay per machine is provided to switch a signal lamp, or to freeze/release the machine (e. g. if no down code was reported within a specified time limit, or if no job is started on this machine).



Input diagram per machine:
2 inputs, positive switching via external opto coupler, + 24 VDC max. 200 mA



Output diagram
1 potential free switching relay contact, max. 230 V / 5 A