

SIL3/PL_e BRAKE SYSTEM

SOBO® IQ/S INTELLIGENT

SOFT BRAKING OPTION

SCOPE

Advanced braking system technology provides enhanced safety performance required to meet demanding safety regulations on applications.

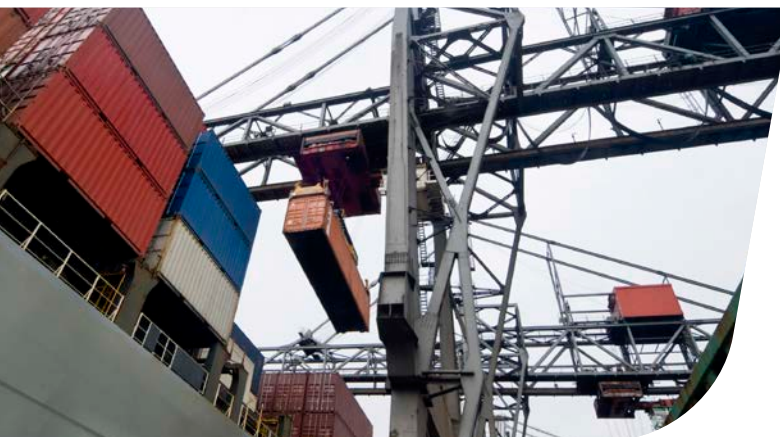
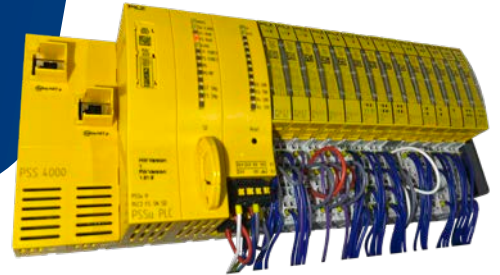
BENEFITS

The system consists of a special version of the SOBO® iQ control software running within a Safety PLC with a hardwired Safe I/O module. The SIL3/PL_e brake system includes:

- Control interface to the customer
- Diagnostic bus interface (MODBUS TCP) for status monitoring
- Safe I/O module
- Specially-designed hydraulic power unit (HPU)
- Control of one or more safety brakes by a single HPU

CHARACTERISTICS

The controller features all the necessary capabilities to conform with the functional safety standards, including dual position/speed encoders, redundant pressure transmitters, direct valve position feedback and indirect failure detection algorithms. These features allow for constant “always on” soft braking performance. The system can also be used as a part of the safety loop (e.g. triggered by an emergency button). The special HPU is designed to apply the brakes under any circumstances, which allows the load to be stopped safely under any conditions.



SVENDBORG BRAKES™

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