



SmartStix™ I/O - 16 DC Inputs (pos/neg logic)
Tootekood: HE559DIM610

SmartStix™ I/O

SmartStix™ I/O is a terminal-block style I/O designed for use with the the XL series Operator Control Station (OCS). It can be used to expand the I/O capacity of any OCS, and it is very cost effective as remote I/O. SmartStix I/O connects to any OCS CsCAN™ network port to provide the best I/O selection for the application. And, output modules feature Electronic Short-Circuit Protection (ESCP).

16 DC inputs (24 Vdc positive/negative logic) I/O expander for CsCAN with removable field terminals

Features

- Compact Size
- Fast Response Times
- Easy to Configure
- Din-Rail Mountable

The I/O for OCS and other Fieldbus Systems

SmartStix I/O is a terminal-block style I/O for the Operator Control Station (OCS). It can be used to expand the I/O capacity of any OCS and is very cost effective as a remote digital I/O. Because SmartStix I/O connects to any OCS CsCAN network port, it can be combined with SmartStack I/O to provide the best I/O selection for the application.

Compact, DIN-rail Mounted, Removable Terminal Strip

SmartStix I/O is extremely compact, providing 16 and 32 point digital I/O in a package only 39mm (1.5") deep and a footprint of 50 x 110 mm (2"H x 4.5"W) or 50 x 177mm (2"H x 7"W). With its small footprint, SmartStix I/O takes up very little panel space whether located in the main control panel or tucked away in a remote location. SmartStix I/O has a barrier style terminal strip and can be mounted on a DIN-rail. The terminal Strip is removable leaving the wiring intact for easy field servicing.

Profibus and Devicenet Versions - complete with Connection Plugs

Smartstix is also available in Profibus and Devicenet versions for connection to other controllers, popular fieldbus systems and comes complete with connection plugs.

Simple Control via the TIU Operator Interface

Smartstix also connects to CsCAN versions of our powerfull Operator Interface - the TIU range. This allows you to control the smartstix via the TIU's Script Language without the need for a PLC creating a most cost effective system.

Expands I/O Capacity, Local or Remote

From the miniOCS* to the Colour-Touchscreen OCS, SmartStix I/O easily expands the digital I/O capacity of any OCS utilising the CsCAN network port available with every model. It is especially cost-effective when added to a MiniOCS. SmartStix I/O offers fast response times without sacrificing robustness, with no need for a costly i/O interface unit. In addition to its peer-to-peer capabilities, CsCAN is used as a highly efficient method of distributing SmartStix I/O up to 1.5 km (6000** feet) away.

Easy to Setup - Easy to configure

Time and complexity to configure most Remote I/O systems is a drawback. SmartStix I/O greatly reduces setup time. just assign a unique IE to the I/O module using the integrated rotary switches, connect a 5-wire shielded cable and add a single, simple finction block to your Cscape control program. You'll be up and running in no time

SmartStix Application Examples



MiniOCS
with integral I/O
plus SmartStix Remote I/O

OCS100/200/250
with Local SmartStack I/O
plus SmartStix Remote I/O

Colour-touch OCS
with FOX Expansion I/O
plus SmartStix Remote I/O

*Optional CsCAN port required for miniOCS

** Maximum distance is 1500 feet per segment, with up to 6000 feet possible using repeater.

SmartStix Selection Table

Digital Modules, Removable Terminal Strip

16 DC Inputs (24vdc, pos/neg logic).	HE459DIM610	HE559DIM610	HE409DIM610
32 DC Inputs (24vdc, pos/neg logic).	HE459DIM710	HE559DIM710	HE409DIM710
16 DC Outputs (24vdc, 0.5A, Sourcing)	HE459DQM606	HE559DQM606	HE409DQM606
32 DC Outputs (24vdc, 0.5A, Sourcing)	HE459DQM706	HE559DQM706	HE409DQM706
16 DC Inputs / 16 DC Outputs (24vdc, 0.5A, Sourcing)	HE459DIQ816	HE559DIQ816	HE409DIQ816
16 Relay Outputs, 2 Amp Maximum	HE459DQM602	HE559DQM602	HE409DQM602

Analog Modules, Removable Terminal Strip

12 Analog Inputs (+/-10v, +/-20mA, 14 bit resolution)	n/a	HE559ADC970	HE409ADC970
8 Analog Inputs (+/-10v, +/-20mA, 14 bit resolution)	n/a	HE559MIX977	HE409MIX977
4 Analog Outputs (0-10v, 0-20mA, 14 bit resolution)			
4 Analog Inputs (+/-10v, +/-20mA, 14 bit resolution)	n/a	HE559MIX577	n/a
2 Analog Outputs (0-10v, 0-20mA, 14 bit resolution)			

DeviceNet SmartStix EDS files - [Click Here](#)

Profibus SmartStix GSD files - [Click Here](#)

Analogue Smartstix Programming Guide - [Click Here](#)

Dimensions



