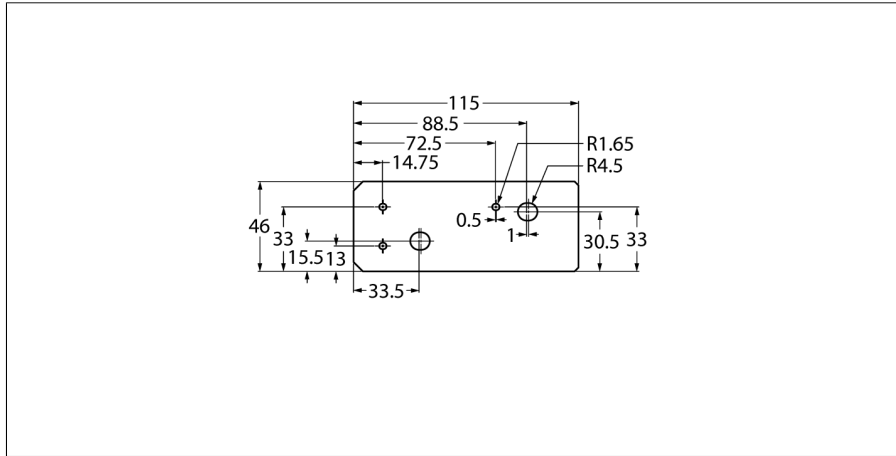
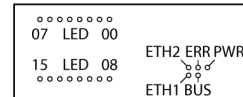
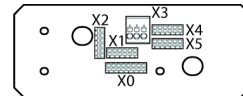


Block I/O Circuit Board Module for Ethernet
14 digital PNP inputs, 2 universal digital channels
EN-14DIP-2DXP-STAEUBLI



- EtherNet/IP™, Modbus® TCP, or PROFINET® slave
- Integrated Ethernet switch
- Supports 10 Mbps/100 Mbps
- 2 x M12, 4-pin, D-coded, Ethernet fieldbus connection
- Max. 2 A per output
- Output diagnostics per channel



Type designation	EN-14DIP-2DXP-STAEUBLI
Ident no.	100000503

Supply	
Supply voltage	24 VDC
Admissible range	18 ... 30 VDC
Voltage supply connection	Push-in terminals
Operating current	V1: max. 150 mA
Electrical isolation	V1 and AUX2 voltage groups galvanically isolated Voltages up to 500 VDC

System data	
Fieldbus transmission rate	10/100 Mbps
Fieldbus connection technology	Push-in clamps
Protocol detection	automatic
Web server	default: 192.168.1.254
Service interface	Ethernet via X4 or X5

Modbus TCP	
Addressing	Static IP, BOOTP, DHCP
Supported function codes	FC1, FC2, FC3, FC4, FC5, FC6, FC15, FC16, FC23
Number of TCP connections	8
Input register start address	0 (0x0000 hex)
Output register start address	2048 (0x0800 hex)

Ethernet/IP	
Addressing	acc. to EtherNet/IP specification
Quick Connect (QC)	< 500 ms
Device Level Ring (DLR)	supported
Class 3 connections (TCP)	3
Class 1 connections (CIP)	10
Input Assembly Instance	103
Output Assembly Instance	104
Configuration Assembly Instance	106

PROFINET	
Addressing	DCP
Conformance class	B (RT)
MinCycleTime	1 ms
Fast Start-Up (FSU)	< 500 ms
Diagnostics	acc. to PROFINET alarm handling
Topology detection	supported
Automatic addressing	supported
Media Redundancy Protocol (MRP)	supported

Block I/O Circuit Board Module for Ethernet

14 digital PNP inputs, 2 universal digital channels

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Digital inputs

Number of channels	16
Connectivity inputs	Spring-type terminals
Input type	PNP
Type of input diagnostics	Group diagnostics
Switching threshold	EN 61131-2 type 3, PNP
Low level signal voltage	<5 V
High level signal voltage	>11 V
Low level signal current	<1.5 mA
High level signal current	>2 mA
Input delay	2.5 ms
Electrical isolation	Galvanic isolation against Ethernet Voltages up to 500 VDC

Digital outputs

Number of channels	2
Connectivity outputs	Spring-type terminals
Output type	PNP
Type of output diagnostics	Channel diagnostics
Output current per channel	2.0 A, short-circuit proof
Output delay	1.3 ms
Load type	EN 60947-5-1: DC-13
Short-circuit protection	yes
Electrical isolation	Galvanic isolation against Ethernet Voltages up to 500 VDC

Standard/Directive conformity

Electromagnetic compatibility	Acc. to EN 61131-2
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General Information

Dimensions (W x L x H)	46 x 115 mm
Ambient temperature	-40...+70 °C
Storage temperature	-40...+85 °C
Halogen-free	yes
Mounting	3 mounting holes, diameter: 3.3 mm