

Features

- System Board for Yokogawa, Centum CS3000 R3
- For channels 17 ... 32 of 32-channel DO card ADV551
- 16 plug-in positions
- Recommended module: HiC2871
- 24 V DC supply voltage
- Hazardous area: cage clamp terminals, blue
- Safe area: FLK socket, 34-pin

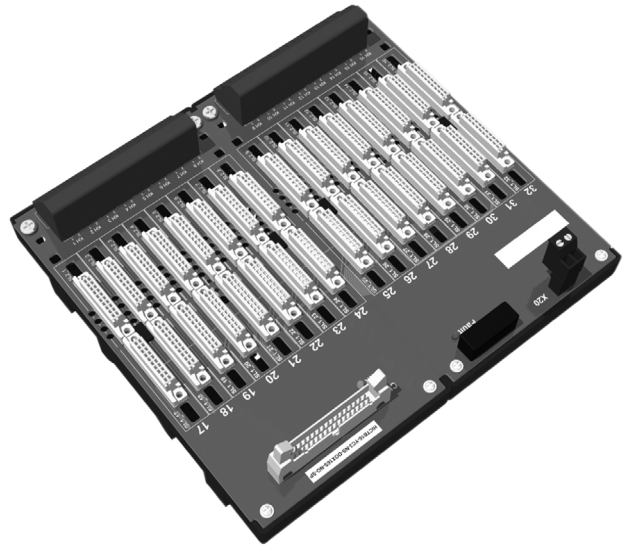
Function

The function of the Termination Board as well as the connector pin assignment exactly fit the requirement of Yokogawa systems.

Information about missing supply voltage of the interface modules is available for the system as potential free relay contact. Wiring errors from field will be reported if the interface module supports this function.

The Termination Boards are supplied with a robust glass fibre reinforced plastic housing as standard. This design permits the fast and reliable installation in the switch cabinet.

Assembly



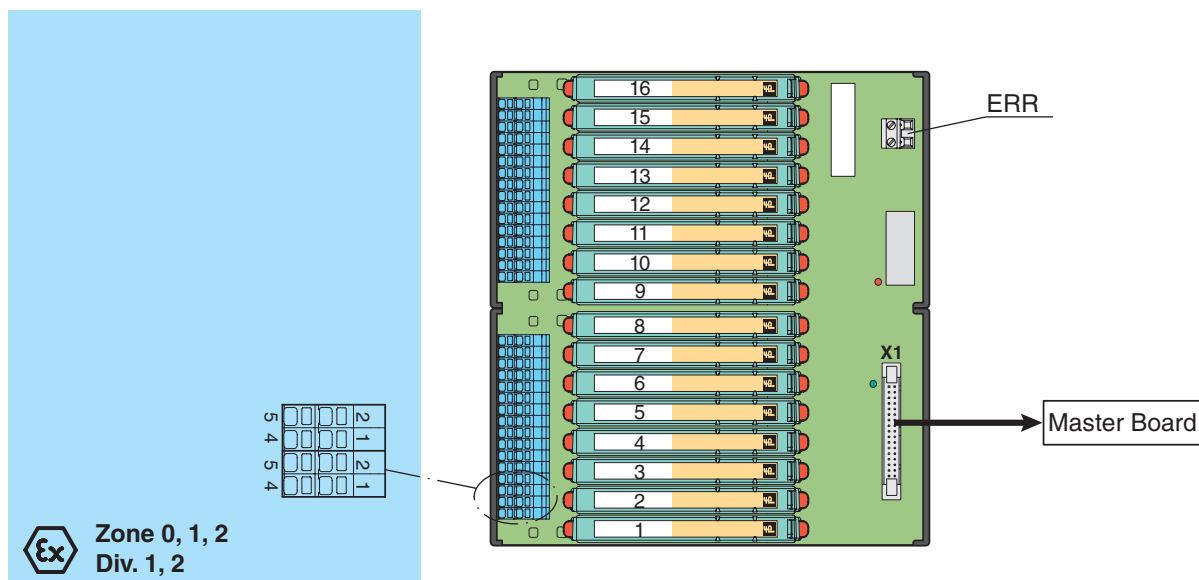
Application

For full connection to the 32-channel card ADV551 requires the following components:

- Termination Board (master) for channels 1 ... 16:
HiCTB16-YC3-SM-DOX16S-AK-SP
- Termination Board (slave) for channels 17 ... 32:
HiCTB16-YC3-NS-DOX16S-AK-SP
- Connection cable type HiACA-... between master and slave board



Connection



Zone 2
Div. 2

Supply	
Rated voltage	24 V DC , in consideration of rated voltage of used isolated barriers
Voltage drop	0.9 V , voltage drop across the series diode on the Termination Board must be considered
Ripple	≤ 10 %
Power loss	≤ 500 mW , without module
Electrical specifications	
Potential free fault signal contact	max. 40 V, 2 A
Redundancy	
Supply	The supply for the modules is decoupled, monitored and fused.
Indicators/settings	
Display elements	LED PWR ON (power supply), green LED LED Fault (fault indication), red LED
Conformity	
Electromagnetic compatibility	NE 21
Protection degree	IEC 60529
Ambient conditions	
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-40 ... 70 °C (233 ... 343 K)
Mechanical specifications	
Protection degree	IP20
Connection	connection hazardous area (field side): cage clamp terminals, blue connection safe area (process side): FLK socket, 34-pin
Material	housing: polycarbonate, 30 % fibre-glass reinforced
Mass	approx. 840 g
Dimensions	216 x 200 x 163 mm (8.5 x 7.9 x 6.42 in)
Mounting	DIN rail
General information	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .
Accessories	
Designation	optional accessories: - connection cable HiACA-... - Label Carrier HIALC-...