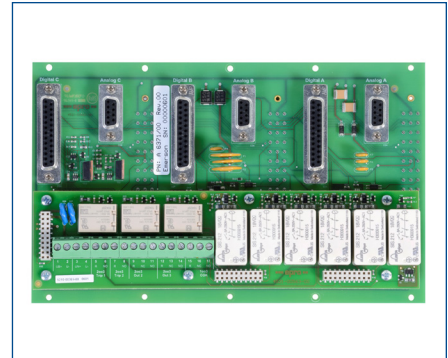


# A6371 Overspeed Protection Backplane

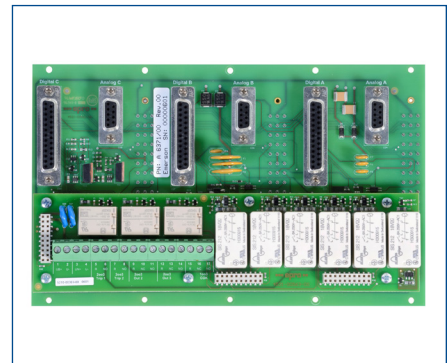
The A6371 Backplane is part of the AMS 6300 SIS Overspeed protection system and is mounted in a 19" rack (84HP width and 3RU height). One backplane allows you to install up to three A6370 Overspeed protection monitors, a 19" rack is feasible for two A6371 backplanes.

To provide the safety outputs of the CSI 6300 SIS are, trip relays are located on the backplane. With the backplane types "Trip Voted" and "Trip Not Voted" two different trip logic concepts are available to provide connectivity to most common trip solutions.

Power Supply		
Nominal Supply Voltage	+24 V DC	Redundant, decoupled (common ground)
Limit	+19 to +31.2 V DC	In case of a single failure, supply voltage must not exceed the level of IEC 60204-1 or IEC 61131-2 (SELV/PELV)
Max. Power Consumption	< 30 W	
Slot Distribution		
Number of Slots (A6370D and A6370D/DP)	3 (each slot 14HP)	
Relay Outputs		
Switching Capacity	48 V AC, 4 A	Relays (Out 2, Out 3 and Channel OK)
	30 V DC, 4 A	
	48 V AC, 4 A	Trip Relays
Number of Relay Outputs A6371/00 "Trip Voted"	24 V DC, 4 A	
	2 x "Trip" relay output	2oo3 logic
	1 x "Digital Out 2" relay output	2oo3 logic
	1 x "Digital Out 3" relay output	2oo3 logic
Number of Relay Outputs A6371/10 "Trip Not Voted"	1 x "Channel OK" relay output	1oo3 logic
	3 x "Trip" relay output	One per Channel Trip A,B,C
	1 x "Digital Out 2" relay output	2oo3 logic
	1 x "Digital Out 3" relay output	2oo3 logic



A6371/00 Backplane "Trip Voted"



A6371/10 Backplane "Trip not Voted"



Environmental, General		
Protection Class	IP20	According to IEC 60529 rack mounted, otherwise IP00
Conformal Coating	Airborne contaminants resistance	ISA-S71.04-1985 airborne contaminants class G3
	Material: HumiSeal® 1B31 EPA	According to IPC-CC-830B and IPC-A 610
Operating Temperature	-20°C to +65°C (-4°F to 149°F)	
Storage Temperature	-40°C to +70°C (-40°F to 158°F)	
Relative Humidity	5 to 95%	Non-condensing
Vibration	0.15mm (0.591in) 20 m/s <sup>2</sup>	58 to 62Hz to 150Hz according to IEC 60068-2-6
Shock	100 m/s <sup>2</sup> , 6ms	According to IEC 60068-2-27
Operating Altitude	<5000 m	Above sea level
Connector Card Slot	Type F48 female	According to IEC 60603-2
Screw Terminals	0.2 to 2.5 mm <sup>2</sup>	Flexible cable
	Max. 4 mm <sup>2</sup>	Rigid cable
SUB-D Connector	SUB-D 9 and SUB-D 25	Shielded, UNC 4-40 screw lock
Dimensions	3RU/42HP (WxHxD) 211 x 130 x 43 mm	Conform to IEC 60297
	(WxHxD) 8.31 x 5.12 x 1.70 in	
Weight	App 490g (1.080 lbs)	Exclusive packaging

## Compliance and Certifications

CE	2014/30/EU 2014/34/EU 2006/42/EG EN 61326-1 DIN EN 50581 DIN EN 62061
CSA	CAN/CSA-C22.2 NO. 61010-1-04 UL 61010-1 (2nd Edition)
TÜV NORD	IEC 61508:2010; capable up to SIL 3 DIN EN 62061:2005; capable up to SILCL 3 DIN EN 61511:2005; capable up to SIL 3

## Ordering Information

Model Number	Product Description
A6371/00	AMS 6300 SIS - BACKPLANE, TRIP VOTED
A6371/10	AMS 6300 SIS - BACKPLANE, TRIP NOT VOTED

## Product Accessories

Model Number	Product Description
A6352	AMS 6300 SIS - RACK, 19 INCH, 3U
A6380	AMS 6300 SIS - CONNECTION BLOCK, DIN-RAIL, SUB-D CON, 9-P
A6381	AMS 6300 SIS - CONNECTION BLOCK, DIN-RAIL, SUB-D CON, 25-P
A6384	AMS 6300 SIS - CONNECTION CABLE, SUB-D CON, 9 POLE, 1M
A6385	AMS 6300 SIS - CONNECTION CABLE, SUB-D CON, 25 POLE, 1M
A6386	AMS 6300 SIS - CONNECTION CABLE, SUB-D CON, 9 POLE, 3M
A6387	AMS 6300 SIS - CONNECTION CABLE, SUB-D CON, 25 POLE, 3M
A6068	REDUNDANT POWER SUPPLY 100-220VAC, 24VDC

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