

<b>Digital Modules</b>			
<i>Modules</i>	<b>DI 530</b>	<b>DO 580</b>	<b>DO 571</b>
<i>Specifications</i>			
<b>Label</b>	DI530	DO580	DO571
<b>Number of channels</b>	32	32	16
<b>Output type</b>	-----	High side switch	High side switch
<b>Input type</b>	Sink	-----	-----
<b>Input Impedance</b>	> 2KΩ	-----	-----
<b>Rated supply voltage</b>	24V DC	24V DC	24V DC
<b>Permitted supply voltage range</b>	18V DC to 30V DC	18V DC to 30V DC	18V DC to 30V DC
<b>Minimum Output voltage</b>	-----	> Vs - 0.8V (at 1 signal)	> Vs - 0.8V
<b>Maximum Output current</b>	-----	0.5A (at 1 signal)	0.4A
<b>Maximum leakage current</b>	-----	0.5mA @ 30V DC	0.5mA @ 30V DC
<b>Maximum Output frequency (Resistive loads)</b>	-----	100Hz	100Hz
<b>Maximum Output frequency (Inductive loads)</b>	-----	1 Hz	1 Hz
<b>Maximum Output frequency (Lamp loads)</b>	-----	100Hz	100Hz
<b>Short circuit protection</b>	-----	Yes (Electronic)	Yes (Electronic)

Short circuit peak current	-----	1.5A	1.4A
Voltage induced on current interruption limited to	-----	Vs ± 48V	Vs ± 48V
Isolation type (to backplane bus)	Optocoupler	Optocoupler	Opto-coupler
Isolated in groups of	8	8	8
Isolation between bus and analog section	2500V DC	2500V DC	2500V DC
Power consumption (from backplane bus)	Maximum : 2W	Maximum : 2W	Maximum : 2W
	Typical : 0.6W	Typical : 0.6W	Typical : 1.3W
Operating temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Storage temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Relative humidity	5% to 95%	5% to 95%	5% to 95%
Reference Standard	IEC 61131-2	IEC 61131-2	IEC 61131-2
Terminal	BPL 922S , BPL 921D	BPL 922S , BPL 921D	BPL 922S , BPL 921D
Diagnostics	-----	Group Short-Circuit, Missing Field Power, Board Temperature, Internal Hardware Error	Short-Circuit, Wire Break, Missing Field Power, Internal Hardware Error, Board Temperature
Rated Input voltage value	24V DC	-----	-----
Maximum permissible input voltage	±40V DC	-----	-----
Input high level (1)	13V DC to 30V DC	-----	-----
Input low level (0)	-30V DC to +5V DC	-----	-----
Maximum Input frequency	300Hz	-----	-----
Typical Input current (at 1 signal)	4mA @ 24V DC	-----	-----
Maximum Input Current	12mA @ 40V DC	-----	-----
Maximum permissible quiescent current	1mA	-----	-----