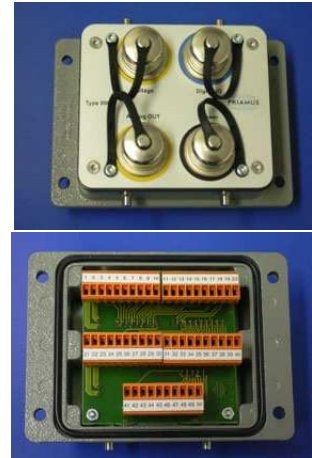


Type 8906A

PDDI

PRIAMUS Digital Data Interface for Pass Controller

- Standardized interfaces
- Alarm signals
- Switching signals (Automatic switchover to holding pressure)
- Measuring data (analog)
- Device supply



Description

Analog measuring data as well as digital signals e.g. for part containment (alarm), or for switchover to holding pressure must be connected to the machine control by an interface.

Due to the lack of a standardized interface on the part of the machine builders PRIAMUS provides these interfaces for installation in the control cabinet.

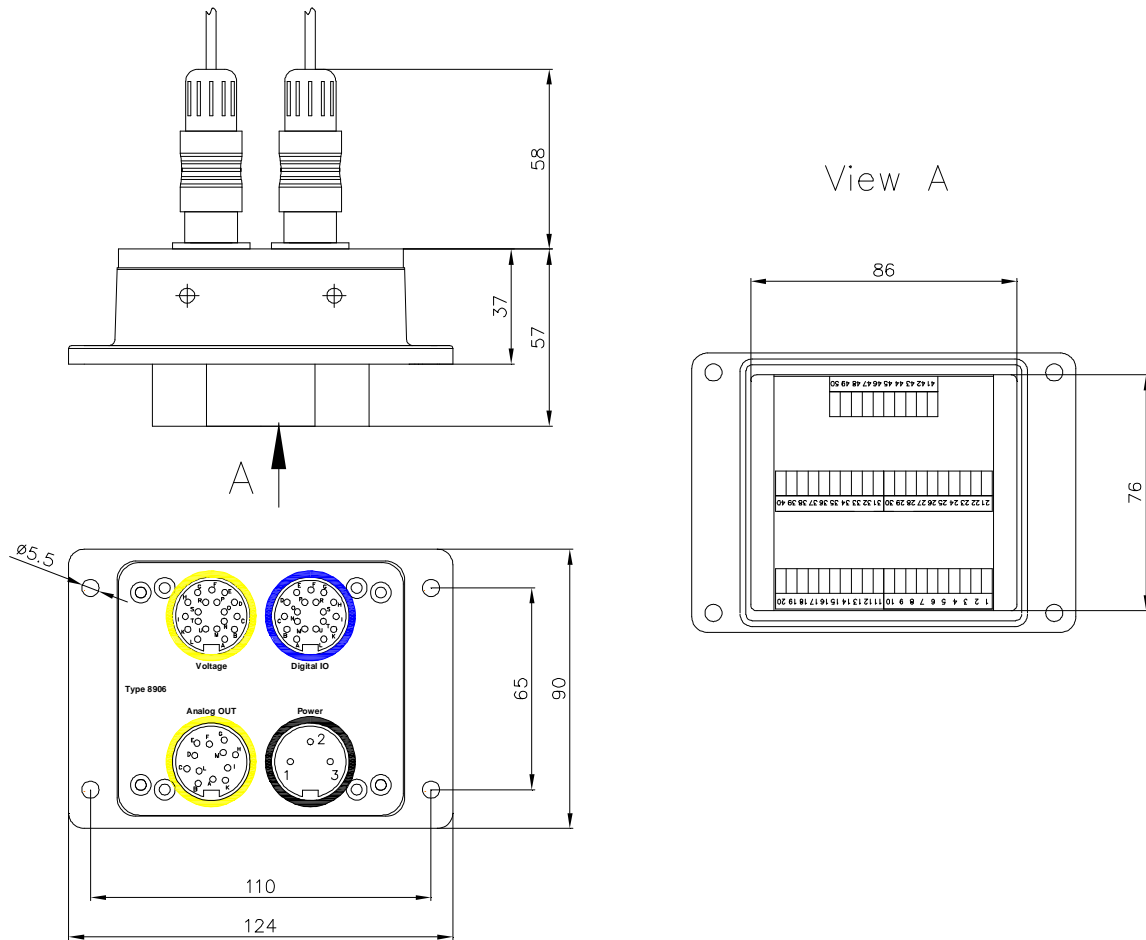
After installation and interfacing of the signals to the respective clamps the single signal groups can be connected to the Pass Controller type 8201A by simply plugging the color coded connecting cables.

The digital data communication with the Pass Controller is galvanically isolated via optocouplers. The output drivers of the Pass Controller are equipped with an overload fuse and a pole fuse. In addition, any digital outputs can be connected.



The Pass Controller with color coded connecting cables for the PDDI

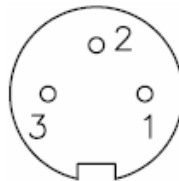
Dimensions



Pin allocations (connector side)

Device supply

Pin	Function
1	Supply V+
2	Supply GND
3	NC

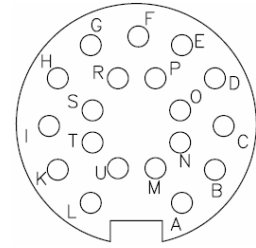


Connecting cable to the Pass Controller:

1246A2 / 1246A5

Digital in and output signals

Pin	Function	Pin	Function
A	Viso	L	DIG IN COM
B	Viso	M	DIG IN Res
C	FILL DIG OUT4 (Bad part)	N	FILL DIG OUT3 (Good part)
D	FILL DIG OUT2	O	FILL DIG OUT1
E	FILL DIG OUT0	P	DIG_OUT0
F	GND	R	AutoSwitchover
G	Switchover	S	SwitchoverAlarm
H	Alive	T	Common Alarm
J	GND	U	DIG IN Trigger
K	AutoSwitchoverAlarm		

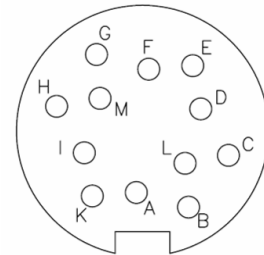


Connecting cable to the Pass Controller:

1245A2 / 1245A5

Analog output signals

Pin	Function	Pin	Function
A	Analog Out CH1	G	Analog Out CH7
B	Analog Out CH2	H	Analog Out CH8
C	Analog Out CH3	J	GND
D	Analog Out CH4	K	NC
E	Analog Out CH5	L	NC
F	Analog Out CH6	M	NC

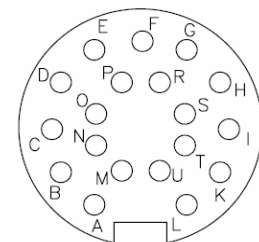


Connecting cable to the Pass Controller:

1243A2 / 1243A5

Analog input signals

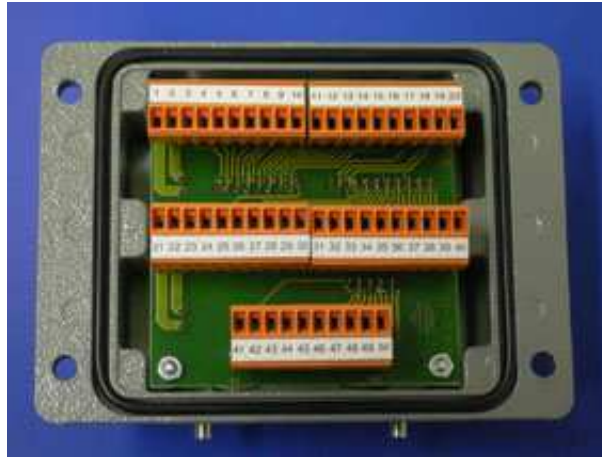
Pin	Function	Pin	Function
A	CH8-	M	CH8+
B	CH7-	N	CH7+
C	NC	O	CH6+
D	CH6-	P	CH5+
E	CH5-	R	CH4+
F	NC	S	CH3+
G	CH4-	T	CH2+
H	CH3-	U	CH1+
J	NC		
K	CH2-		
L	CH1-		



Connecting cable to the Pass Controller:

1244A2 / 1244A5

Signal connection of the clamps (machine side)



	Screw-port	Machine	Signal	Screw-port	Machine
Digital IO Supply V+ [optional]	1	[10.30V]	Analog IN CH1+	25	0..10V Analog to PaCo
Digital IO GND [optional]	2	GND	Analog IN CH1-(GND)	26	GND to PaCo
DIG IN Trigger	3	+24V to PaCo	Analog IN CH1+	27	0..10V Analog to PaCo
DIG IN COM	4	GND to PaCo	Analog IN CH2-(GND)	28	GND to PaCo
DIG IN Res	5	+24V to PaCo	Analog IN CH3+	29	0..10V Analog to PaCo
Common Alarm	6	+24V to Machine	Analog IN CH3-(GND)	30	GND to PaCo
AutoSwitchoverAlarm	7	+24V to Machine	Analog IN CH4+	31	0..10V Analog to PaCo
SwitchoverAlarm	8	+24V to Machine	Analog IN CH4-(GND)	32	GND to PaCo
Alive	9	+24V to Machine	Analog IN CH5+	33	0..10V Analog to PaCo
AutoSwitchover	10	+24V to Machine	Analog IN CH5-(GND)	34	GND to PaCo
Switchover	11	+24V to Machine	Analog IN CH6+	35	0..10V Analog to PaCo
DIG OUT0	12	+24V to Machine	Analog IN CH6-(GND)	36	GND to PaCo
FILL DIG OUT0	13	+24V to Machine	Analog IN CH7+	37	0..10V Analog to PaCo
FILL DIG OUT1	14	+24V to Machine	Analog IN CH7-(GND)	38	GND to PaCo
FILL DIG OUT2	15	+24V to Machine	Analog IN CH8+	39	0..10V Analog to PaCo
FILL DIG OUT3 (Good part)	16	+24V to Machine	Analog IN CH8-(GND)	40	GND to PaCo
FILL DIG OUT4 (Bad part)	17	+24V to Machine	NC	41	
NC	18		Analog OUT CH1	42	-10..10V Analog from PaCo
NC	19		Analog OUT CH2	43	-10..10V Analog from PaCo
NC	20		Analog OUT CH3	44	-10..10V Analog from PaCo
PaCo Supply V+	21	+24V to PaCo (9004A)	Analog OUT CH4	45	-10..10V Analog from PaCo
PaCo Supply GND	22	GND to PaCo (9004A)	Analog OUT CH5	46	-10..10V Analog from PaCo
NC	23		Analog OUT CH6	47	-10..10V Analog from PaCo
NC	24		Analog OUT CH7	48	-10..10V Analog from PaCo
			Analog OUT CH8	49	-10..10V Analog from PaCo
			Analog OUT GND	50	GND from PaCo

*PaCo: Abbreviation for Pass Controller

technische Änderungen vorbehalten

Side view of the screw clamps



Interfacing example

- Supply
- Trigger
- Common Alarm (Good / bad part selection)
- Automatic switching signal (AutoSwitchover)

