



- DK** ▶ PR electronics A/S tilbyder et bredt program af analoge og digitale signalbehandlingsmoduler til industriel automation. Programmet består af Isolatorer, Displays, Ex-barrierer, Temperaturtransmittere, Multifunktionelle transmittere mfl. Vi har modulerne, du kan stole på i selv barske miljøer med elektrisk støj, vibrationer og temperaturudsving, og alle produkter opfylder de strengeste internationale standarder. Vores motto »Signals the Best« er indbegrebet af denne filosofi - og din garanti for kvalitet.
- UK** ▶ PR electronics A/S offers a wide range of analog and digital signal conditioning devices for industrial automation. The product range includes Isolators, Displays, I.S. Interfaces, Temperature Transmitters, and Multifunctional Devices. You can trust our products in the most extreme environments with electrical noise, vibrations and temperature fluctuations, and all products comply with the most exacting international standards. »Signals the Best« is the epitome of our philosophy - and your guarantee for quality.
- FR** ▶ PR electronics A/S offre une large gamme de produits pour le traitement des signaux analogiques et numériques dans tous les domaines industriels. La gamme de produits s'étend des transmetteurs de température aux afficheurs, des isolateurs aux interfaces SI, jusqu'aux modules multifonctions. Vous pouvez compter sur nos produits même dans les conditions d'utilisation sévères, p.ex. bruit électrique, vibrations et fluctuations de température. Tous nos produits sont conformes aux normes internationales les plus strictes. Notre devise »SIGNALS the BEST« c'est notre ligne de conduite - et pour vous l'assurance de la meilleure qualité.
- DE** ▶ PR electronics A/S verfügt über ein breites Produktprogramm an analogen und digitalen Signalverarbeitungsgeräte für die industrielle Automatisierung. Dieses Programm umfasst Displays, Temperaturtransmitter, Ex- und galvanische Signaltrenner, und Multifunktionelle Geräte. Sie können unsere Geräte auch unter extremen Einsatzbedingungen wie elektrisches Rauschen, Erschütterungen und Temperaturschwingungen vertrauen, und alle Produkte von PR electronics werden in Übereinstimmung mit den strengsten internationalen Normen produziert. »Signals the Best« ist Ihre Garantie für Qualität!

# SYSTEM 9000 BACKPLANE

## YOKOGAWA WIRING MANUAL AND I/O CARD REFERENCE LIST

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## SUPPORTED YOKOGAWA DCS SYSTEMS & I/O CARDS

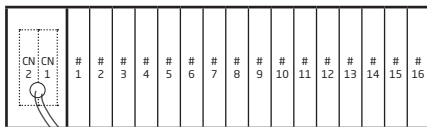
DCS System	I/O card reference	I/O type	PR System 9000 device	# Slot	PR Ordering references
<b>Centum</b>	AAI141	16 x AI	8 x 9106xxB	1...8	7908-YoCen-A2B
			8 x 9113xB		
	AAI841	8 x AI	4 x 9106xxB or	1...4	7908-YoCen-B2F
		8 x AO	4 x 9113xB 4 x 9107xB	5...8	
	ADV151	32 x DI	16 x 9202xxB	1...16	7916-YoCen-C2H
	ADV161*				
ADV551	32 x DO	16 x 9203xxB	1...16	7916-YoCen-D2J	
ADV561*					
<b>Prosafe</b>	SAI143	16 x AI	8 x 9106xxB 8 x 9113xB	1...8	7908-YoPro-A2B
	SDV144	16 x DI	8 x 9202xxB	1...8	7908-YoPro-D2H
	SDV531	8 x DO	8 x 9203xxAx	1...8	7908-YoPro-E2I
	SDV541	16 x DO	16 x 9203xxAx	1...16	7916-YoPro-F2I

!! Do not mix I.S. and non-I.S. devices on the same backplane

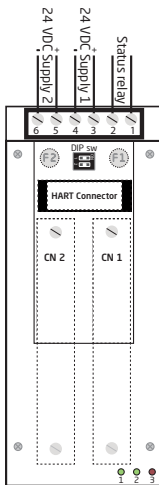
**Please note:**

(\*) For ADV161 and ADV561 two backplanes must be used for giving a total of 64 x DI or 64 DO for the I/O cards.

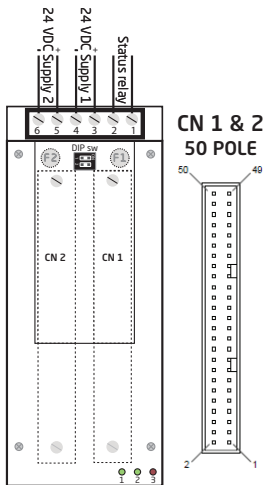
# SUPPLY AND STATUS RELAY CONNECTIONS AND YOKOGAWA SYSTEM CABLE CONNECTORS



9106 & 9107  
BACKPLANE BOARD



9202 & 9203  
BACKPLANE BOARD



**Please note:**

CN1 and CN2 are connected in parallel for all Yokogawa I/O cards.  
CN2: for redundant I/O card.

## **BACKPLANE TO YOKOGAWA CENTUM I/O CARD WIRING**

**AAI141 card wiring, 16 x AI,  
PR 9106 2 channels**

9106xxB Field equipment terminals				40 pole DCS connection
Unit	Ch.	Z-w Tx mA-signal	Active mA-signal	Signal name / Pin number
#1	1	44 (+)	41 (-)	IN1A / 40
		43 (-)	42 (+)	IN1B / 39
	2	54 (+)	51 (-)	IN2A / 38
		53 (-)	52 (+)	IN2B / 37
#2	1	44 (+)	41 (-)	IN3A / 36
		43 (-)	42 (+)	IN3B / 35
	2	54 (+)	51 (-)	IN4A / 34
		53 (-)	52 (+)	IN4B / 33
#3	1	44 (+)	41 (-)	IN5A / 32
		43 (-)	42 (+)	IN5B / 31
	2	54 (+)	51 (-)	IN6A / 30
		53 (-)	52 (+)	IN6B / 29
#4	1	44 (+)	41 (-)	IN7A / 28
		43 (-)	42 (+)	IN7B / 27
	2	54 (+)	51 (-)	IN8A / 26
		53 (-)	52 (+)	IN8B / 25
#5	1	44 (+)	41 (-)	IN9A / 24
		43 (-)	42 (+)	IN9B / 23
	2	54 (+)	51 (-)	IN10A / 22
		53 (-)	52 (+)	IN10B / 21
#6	1	44 (+)	41 (-)	IN11A / 20
		43 (-)	42 (+)	IN11B / 19
	2	54 (+)	51 (-)	IN12A / 18
		53 (-)	52 (+)	IN12B / 17
#7	1	44 (+)	41 (-)	IN13A / 16
		43 (-)	42 (+)	IN13B / 15
	2	54 (+)	51 (-)	IN14A / 14
		53 (-)	52 (+)	IN14B / 13
#8	1	44 (+)	41 (-)	IN15A / 12
		43 (-)	42 (+)	IN15B / 11
	2	54 (+)	51 (-)	IN16A / 10
		53 (-)	52 (+)	IN16B / 09

**AAI141 card wiring, 16 x AI,  
PR 9113xB 2 channels**

9113xB Field equipment terminals					40 pole DCS connection
Unit	Ch.	RTD, 2- / 3- / 4-wire	TC	Current	Signal name / Pin number
#1	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN1A / 40
		42	42 (-)	42 (-)	IN1B / 39
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN2A / 38
		52	52 (-)	52 (-)	IN2B / 37
#2	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN3A / 36
		42	42 (-)	42 (-)	IN3B / 35
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN4A / 34
		52	52 (-)	52 (-)	IN4B / 33
#3	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN5A / 32
		42	42 (-)	42 (-)	IN5B / 31
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN6A / 30
		52	52 (-)	52 (-)	IN6B / 29
#4	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN7A / 28
		42	42 (-)	42 (-)	IN7B / 27
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN8A / 26
		52	52 (-)	52 (-)	IN8B / 25
#5	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN9A / 24
		42	42 (-)	42 (-)	IN9B / 23
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN10A / 22
		52	52 (-)	52 (-)	IN10B / 21
#6	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN11A / 20
		42	42 (-)	42 (-)	IN11B / 19
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN12A / 18
		52	52 (-)	52 (-)	IN12B / 17
#7	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN13A / 16
		42	42 (-)	42 (-)	IN13B / 15
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN14A / 14
		52	52 (-)	52 (-)	IN14B / 13
#8	1	43 or 43/41 or 43/41/44 (*)	41 (+)	43 (+)	IN15A / 12
		42	42 (-)	42 (-)	IN15B / 11
	2	53 or 53/51 or 53/51/54 (*)	51 (+)	53 (+)	IN16A / 10
		52	52 (-)	52 (-)	IN16B / 09

**Please note:**

(\*) Check 9113 manual for correct contact input wiring.



**AAI841 card wiring, 8 x AI & 8 x AO,  
PR 9106 or PR 9113, 2 channels & PR 9107, 2 channels**

9106xB or 9113xB Field equipment terminals				40 pole DCS connection
Unit	Ch.	Z-w Tx mA-signal	Active mA-signal	Signal name / Pin number
#1	1	44 (+)	41 (-)	IN1A / 40
		43 (-)	42 (+)	IN1B / 39
	2	54 (+)	51 (-)	IN2A / 38
		53 (-)	52 (+)	IN2B / 37
#2	1	44 (+)	41 (-)	IN3A / 36
		43 (-)	42 (+)	IN3B / 35
	2	54 (+)	51 (-)	IN4A / 34
		53 (-)	52 (+)	IN4B / 33
#3	1	44 (+)	41 (-)	IN5A / 32
		43 (-)	42 (+)	IN5B / 31
	2	54 (+)	51 (-)	IN6A / 30
		53 (-)	52 (+)	IN6B / 29
#4	1	44 (+)	41 (-)	IN7A / 28
		43 (-)	42 (+)	IN7B / 27
	2	54 (+)	51 (-)	IN8A / 26
		53 (-)	52 (+)	IN8B / 25
9107xB Field equipment terminals				40 pole DCS connection
#5	1	-	42 (+)	OUT1+ / 24
		-	41 (-)	OUT1- / 23
	2	-	52 (+)	OUT2+ / 22
		-	51 (-)	OUT2- / 21
#6	1	-	42 (+)	OUT3+ / 20
		-	41 (-)	OUT3- / 19
	2	-	52 (+)	OUT4+ / 18
		-	51 (-)	OUT4- / 17
#7	1	-	42 (+)	OUT5+ / 16
		-	41 (-)	OUT5- / 15
	2	-	52 (+)	OUT6+ / 14
		-	51 (-)	OUT6- / 13
#8	1	-	42 (+)	OUT7+ / 12
		-	41 (-)	OUT7- / 11
	2	-	52 (+)	OUT8+ / 10
		-	51 (-)	OUT8- / 09

**ADV151 card wiring, 32 x DI,  
PR 9202, 2 channels**

9202xxB Field equipment terminals				50 pole DCS connection
Unit	Ch.	NAMUR sensor	Contact signal	Signal name / Pin number
#1	1	44 (+)	44 or 43 or 43/41 (*)	IN1 / 50
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN2 / 48
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#2	1	44 (+)	44 or 43 or 43/41 (*)	IN3 / 46
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN4 / 44
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#3	1	44 (+)	44 or 43 or 43/41 (*)	IN5 / 42
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN6 / 40
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#4	1	44 (+)	44 or 43 or 43/41 (*)	IN7 / 38
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN8 / 36
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#5	1	44 (+)	44 or 43 or 43/41 (*)	IN9 / 34
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN10 / 32
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#6	1	44 (+)	44 or 43 or 43/41 (*)	IN11 / 30
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN12 / 28
		52 (-)	52	COM 1-16 / 12, 14, 16, 18
#7	1	44 (+)	44 or 43 or 43/41 (*)	IN13 / 26
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN14 / 24
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#8	1	44 (+)	44 or 43 or 43/41 (*)	IN15 / 22
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN16 / 20
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18

**Please note:**

(\*) Check 9202 manual for correct contact input wiring.

(\*\*) COM1-16 are shorted internally on the Backplane.

9202xxB Field equipment terminals				50 pole DCS connection
Unit	Ch.	NAMUR sensor	Contact signal	Signal name / Pin number
#9	1	44 (+)	44 or 43 or 43/41 (*)	IN17 / 49
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN18 / 47
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#10	1	44 (+)	44 or 43 or 43/41 (*)	IN19 / 45
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN20 / 43
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#11	1	44 (+)	44 or 43 or 43/41 (*)	IN21 / 41
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN22 / 39
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#12	1	44 (+)	44 or 43 or 43/41 (*)	IN23 / 37
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN24 / 35
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#13	1	44 (+)	44 or 43 or 43/41 (*)	IN25 / 33
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN26 / 31
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#14	1	44 (+)	44 or 43 or 43/41 (*)	IN27 / 29
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN28 / 27
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#15	1	44 (+)	44 or 43 or 43/41 (*)	IN29 / 25
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN30 / 23
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#16	1	44 (+)	44 or 43 or 43/41 (*)	IN31 / 21
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN32 / 19
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17

**Please note:**

(\*) Check 9202 manual for correct contact input wiring.

(\*\*) COM17-32 are shorted internally on the Backplane.

**ADV161 card wiring, 32 x DI,  
PR 9202 2 channels, Backplane #1**

9202xxB Field equipment terminals				50 pole DCS connection
Unit	Ch.	NAMUR sensor	Contact signal	Signal name / Pin number
#1	1	44 (+)	44 or 43 or 43/41 (*)	IN1 / 50
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN2 / 48
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#2	1	44 (+)	44 or 43 or 43/41 (*)	IN3 / 46
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN4 / 44
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#3	1	44 (+)	44 or 43 or 43/41 (*)	IN5 / 42
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN6 / 40
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#4	1	44 (+)	44 or 43 or 43/41 (*)	IN7 / 38
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN8 / 36
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#5	1	44 (+)	44 or 43 or 43/41 (*)	IN9 / 34
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN10 / 32
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#6	1	44 (+)	44 or 43 or 43/41 (*)	IN11 / 30
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN12 / 28
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#7	1	44 (+)	44 or 43 or 43/41 (*)	IN13 / 26
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN14 / 24
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18
#8	1	44 (+)	44 or 43 or 43/41 (*)	IN15 / 22
		42 (-)	42	COM 1-16 (**)/ 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN16 / 20
		52 (-)	52	COM 1-16 (**)/ 12, 14, 16, 18

**Please note:**

- (\*) Check 9202 manual for correct contact input wiring.
- (\*\*) COM1-16 are shorted internally on the Backplane.

9202xxB Field equipment terminals				50 pole DCS connection
Unit	Ch.	NAMUR sensor	Contact signal	Signal name / Pin number
#9	1	44 (+)	44 or 43 or 43/41 (*)	IN17 / 49
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN18 / 47
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#10	1	44 (+)	44 or 43 or 43/41 (*)	IN19 / 45
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN20 / 43
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#11	1	44 (+)	44 or 43 or 43/41 (*)	IN21 / 41
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN22 / 39
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#12	1	44 (+)	44 or 43 or 43/41 (*)	IN23 / 37
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN24 / 35
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#13	1	44 (+)	44 or 43 or 43/41 (*)	IN25 / 33
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN26 / 31
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#14	1	44 (+)	44 or 43 or 43/41 (*)	IN27 / 29
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN28 / 27
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#15	1	44 (+)	44 or 43 or 43/41 (*)	IN29 / 25
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN30 / 23
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17
#16	1	44 (+)	44 or 43 or 43/41 (*)	IN31 / 21
		42 (-)	42	COM 17-32 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN32 / 19
		52 (-)	52	COM 17-32 (**) / 11, 13, 15, 17

**Please note:**

(\*) Check 9202 manual for correct contact input wiring.

(\*\*) COM17-32 are shorted internally on the Backplane.

**ADV161 card wiring, 32 x DI,  
PR 9202 2 channels, Backplane #2**

9202xxB Field equipment terminals				50 pole DCS connection
Unit	Ch.	NAMUR sensor	Contact signal	Signal name / Pin number
#1	1	44 (+)	44 or 43 or 43/41 (*)	IN33 / 50
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN34 / 48
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18
#2	1	44 (+)	44 or 43 or 43/41 (*)	IN35 / 46
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN36 / 44
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18
#3	1	44 (+)	44 or 43 or 43/41 (*)	IN37 / 42
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN38 / 40
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18
#4	1	44 (+)	44 or 43 or 43/41 (*)	IN39 / 38
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN40 / 36
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18
#5	1	44 (+)	44 or 43 or 43/41 (*)	IN41 / 34
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN42 / 32
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18
#6	1	44 (+)	44 or 43 or 43/41 (*)	IN43 / 30
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN44 / 28
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18
#7	1	44 (+)	44 or 43 or 43/41 (*)	IN45 / 26
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN46 / 24
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18
#8	1	44 (+)	44 or 43 or 43/41 (*)	IN47 / 22
		42 (-)	42	COM 33-48 (**) / 12, 14, 16, 18
	2	54 (+)	54 or 53 or 53/51 (*)	IN48 / 20
		52 (-)	52	COM 33-48 (**) / 12, 14, 16, 18

**Please note:**

(\*) Check 9202 manual for correct contact input wiring.

(\*\*) COM33-48 are shorted internally on the Backplane.

9202xxB Field equipment terminals				50 pole DCS connection
Unit	Ch.	NAMUR sensor	Contact signal	Signal name / Pin number
#9	1	44 (+)	44 or 43 or 43/41 (*)	IN49 / 49
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN50 / 47
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17
#10	1	44 (+)	44 or 43 or 43/41 (*)	IN51 / 45
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN52 / 43
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17
#11	1	44 (+)	44 or 43 or 43/41 (*)	IN53 / 41
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN54 / 39
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17
#12	1	44 (+)	44 or 43 or 43/41 (*)	IN55 / 37
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN56 / 35
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17
#13	1	44 (+)	44 or 43 or 43/41 (*)	IN57 / 33
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN58 / 31
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17
#14	1	44 (+)	44 or 43 or 43/41 (*)	IN59 / 29
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN60 / 27
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17
#15	1	44 (+)	44 or 43 or 43/41 (*)	IN61 / 25
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN62 / 23
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17
#16	1	44 (+)	44 or 43 or 43/41 (*)	IN63 / 21
		42 (-)	42	COM 49-64 (**) / 11, 13, 15, 17
	2	54 (+)	54 or 53 or 53/51 (*)	IN64 / 19
		52 (-)	52	COM 49-64 (**) / 11, 13, 15, 17

**Please note:**

(\*) Check 9202 manual for correct contact input wiring.

(\*\*) COM49-64 are shorted internally on the Backplane.

**ADV551 card wiring, 32 x DO,  
PR 9203 2 channels**

9203xxBx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#1	1	42, 43, 44 (*)	41	OUT1 / 50
				COM 1-16 (**)/ 12, 14, 16, 18
#1	2	52, 53, 54 (*)	51	OUT2 / 48
				COM 1-16 (**)/ 12, 14, 16, 18
#2	1	42, 43, 44 (*)	41	OUT3 / 46
				COM 1-16 (**)/ 12, 14, 16, 18
#2	2	52, 53, 54 (*)	51	OUT4 / 44
				COM 1-16 (**)/ 12, 14, 16, 18
#3	1	42, 43, 44 (*)	41	OUT5 / 42
				COM 1-16 (**)/ 12, 14, 16, 18
#3	2	52, 53, 54 (*)	51	OUT6 / 40
				COM 1-16 (**)/ 12, 14, 16, 18
#4	1	42, 43, 44 (*)	41	OUT7 / 38
				COM 1-16 (**)/ 12, 14, 16, 18
#4	2	52, 53, 54 (*)	51	OUT8 / 36
				COM 1-16 (**)/ 12, 14, 16, 18
#5	1	42, 43, 44 (*)	41	OUT9 / 34
				COM 1-16 (**)/ 12, 14, 16, 18
#5	2	52, 53, 54 (*)	51	OUT10 / 32
				COM 1-16 (**)/ 12, 14, 16, 18
#6	1	42, 43, 44 (*)	41	OUT11 / 30
				COM 1-16 (**)/ 12, 14, 16, 18
#6	2	52, 53, 54 (*)	51	OUT12 / 28
				COM 1-16 (**)/ 12, 14, 16, 18
#7	1	42, 43, 44 (*)	41	OUT13 / 26
				COM 1-16 (**)/ 12, 14, 16, 18
#7	2	52, 53, 54 (*)	51	OUT14 / 24
				COM 1-16 (**)/ 12, 14, 16, 18
#8	1	42, 43, 44 (*)	41	OUT15 / 22
				COM 1-16 (**)/ 12, 14, 16, 18
#8	2	52, 53, 54 (*)	51	OUT16 / 20
				COM 1-16 (**)/ 12, 14, 16, 18

**Please note:**

(\*) Check 9203 manual for correct output signal wiring.

(\*\*) COM1-16 are shorted internally on the Backplane.



9203xxBx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#9	1	42, 43, 44 (*)	41	OUT17 / 49
				COM 17-32 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT18 / 47
#10	1	42, 43, 44 (*)	41	COM 17-32 (**)/ 11, 13, 15, 17
				OUT19 / 45
	2	52, 53, 54 (*)	51	COM 17-32 (**)/ 11, 13, 15, 17
#11	1	42, 43, 44 (*)	41	OUT20 / 43
				COM 17-32 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT21 / 41
#12	1	42, 43, 44 (*)	41	COM 17-32 (**)/ 11, 13, 15, 17
				OUT22 / 39
	2	52, 53, 54 (*)	51	COM 17-32 (**)/ 11, 13, 15, 17
#13	1	42, 43, 44 (*)	41	OUT23 / 37
				COM 17-32 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT24 / 35
#14	1	42, 43, 44 (*)	41	COM 17-32 (**)/ 11, 13, 15, 17
				OUT25 / 33
	2	52, 53, 54 (*)	51	COM 17-32 (**)/ 11, 13, 15, 17
#15	1	42, 43, 44 (*)	41	OUT26 / 31
				COM 17-32 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT27 / 29
#16	1	42, 43, 44 (*)	41	COM 17-32 (**)/ 11, 13, 15, 17
				OUT28 / 27
	2	52, 53, 54 (*)	51	COM 17-32 (**)/ 11, 13, 15, 17
#17	1	42, 43, 44 (*)	41	OUT29 / 25
				COM 17-32 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT30 / 23
#18	1	42, 43, 44 (*)	41	COM 17-32 (**)/ 11, 13, 15, 17
				OUT31 / 21
	2	52, 53, 54 (*)	51	COM 17-32 (**)/ 11, 13, 15, 17
#19	1	42, 43, 44 (*)	41	OUT32 / 19
				COM 17-32 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	COM 17-32 (**)/ 11, 13, 15, 17

**Please note:**

(\*) Check 9203 manual for correct output signal wiring.

(\*\*) COM17-32 are shorted internally on the Backplane.

**ADV561 card wiring, 32 x DO,  
PR 9203 2 channels, Backplane #1**

9203xxBx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#1	1	42, 43, 44 (*)	41	OUT1 / 50
				COM 1-16 (**)/ 12, 14, 16, 18
#1	2	52, 53, 54 (*)	51	OUT2 / 48
				COM 1-16 (**)/ 12, 14, 16, 18
#2	1	42, 43, 44 (*)	41	OUT3 / 46
				COM 1-16 (**)/ 12, 14, 16, 18
#2	2	52, 53, 54 (*)	51	OUT4 / 44
				COM 1-16 (**)/ 12, 14, 16, 18
#3	1	42, 43, 44 (*)	41	OUT5 / 42
				COM 1-16 (**)/ 12, 14, 16, 18
#3	2	52, 53, 54 (*)	51	OUT6 / 40
				COM 1-16 (**)/ 12, 14, 16, 18
#4	1	42, 43, 44 (*)	41	OUT7 / 38
				COM 1-16 (**)/ 12, 14, 16, 18
#4	2	52, 53, 54 (*)	51	OUT8 / 36
				COM 1-16 (**)/ 12, 14, 16, 18
#5	1	42, 43, 44 (*)	41	OUT9 / 34
				COM 1-16 (**)/ 12, 14, 16, 18
#5	2	52, 53, 54 (*)	51	OUT10 / 32
				COM 1-16 (**)/ 12, 14, 16, 18
#6	1	42, 43, 44 (*)	41	OUT11 / 30
				COM 1-16 (**)/ 12, 14, 16, 18
#6	2	52, 53, 54 (*)	51	OUT12 / 28
				COM 1-16 (**)/ 12, 14, 16, 18
#7	1	42, 43, 44 (*)	41	OUT13 / 26
				COM 1-16 (**)/ 12, 14, 16, 18
#7	2	52, 53, 54 (*)	51	OUT14 / 24
				COM 1-16 (**)/ 12, 14, 16, 18
#8	1	42, 43, 44 (*)	41	OUT15 / 22
				COM 1-16 (**)/ 12, 14, 16, 18
#8	2	52, 53, 54 (*)	51	OUT16 / 20
				COM 1-16 (**)/ 12, 14, 16, 18

**Please note:**

(\*) Check 9203 manual for correct output signal wiring.

(\*\*) COM1-16 are shorted internally on the Backplane.

9203xxBx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output + signals	Return - signal	Signal name / Pin number
#9	1	42, 43, 44 (*)	41	OUT17 / 49
				COM 17-32 (**) / 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT18 / 47
#10	1	42, 43, 44 (*)	41	COM 17-32 (**) / 11, 13, 15, 17
				OUT19 / 45
	2	52, 53, 54 (*)	51	COM 17-32 (**) / 11, 13, 15, 17
#11	1	42, 43, 44 (*)	41	OUT20 / 43
				COM 17-32 (**) / 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT21 / 41
#12	1	42, 43, 44 (*)	41	COM 17-32 (**) / 11, 13, 15, 17
				OUT22 / 39
	2	52, 53, 54 (*)	51	COM 17-32 (**) / 11, 13, 15, 17
#13	1	42, 43, 44 (*)	41	OUT23 / 37
				COM 17-32 (**) / 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT24 35
#14	1	42, 43, 44 (*)	41	COM 17-32 (**) / 11, 13, 15, 17
				OUT25 / 33
	2	52, 53, 54 (*)	51	COM 17-32 (**) / 11, 13, 15, 17
#15	1	42, 43, 44 (*)	41	OUT26 / 31
				COM 17-32 (**) / 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT27 / 29
#16	1	42, 43, 44 (*)	41	COM 17-32 (**) / 11, 13, 15, 17
				OUT28 / 27
	2	52, 53, 54 (*)	51	COM 17-32 (**) / 11, 13, 15, 17
#17	1	42, 43, 44 (*)	41	OUT29 / 25
				COM 17-32 (**) / 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT30 / 23
#18	1	42, 43, 44 (*)	41	COM 17-32 (**) / 11, 13, 15, 17
				OUT31 / 21
	2	52, 53, 54 (*)	51	COM 17-32 (**) / 11, 13, 15, 17
#19	1	42, 43, 44 (*)	41	OUT32 / 19
				COM 17-32 (**) / 11, 13, 15, 17
	2	52, 53, 54 (*)	51	COM 17-32 (**) / 11, 13, 15, 17

**Please note:**

(\*) Check 9203 manual for correct output signal wiring.

(\*\*) COM17-32 are shorted internally on the Backplane.

**ADV561 card wiring, 32 x DO,  
PR 9203 2 channels, Backplane #2**

9203xxBx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#1	1	42, 43, 44 (*)	41	OUT33 / 50 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT34 / 48 COM 33-48 (**)/ 12, 14, 16, 18
#2	1	42, 43, 44 (*)	41	OUT35 / 46 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT36 / 44 COM 33-48 (**)/ 12, 14, 16, 18
#3	1	42, 43, 44 (*)	41	OUT37 / 42 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT38 / 40 COM 33-48 (**)/ 12, 14, 16, 18
#4	1	42, 43, 44 (*)	41	OUT39 / 38 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT40 / 36 COM 33-48 (**)/ 12, 14, 16, 18
#5	1	42, 43, 44 (*)	41	OUT41 / 34 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT42 / 32 COM 33-48 (**)/ 12, 14, 16, 18
#6	1	42, 43, 44 (*)	41	OUT43 / 30 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT44 / 28 COM 33-48 (**)/ 12, 14, 16, 18
#7	1	42, 43, 44 (*)	41	OUT45 / 26 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT46 / 24 COM 33-48 (**)/ 12, 14, 16, 18
#8	1	42, 43, 44 (*)	41	OUT47 / 22 COM 33-48 (**)/ 12, 14, 16, 18
	2	52, 53, 54 (*)	51	OUT48 / 20 COM 33-48 (**)/ 12, 14, 16, 18

**Please note:**

(\*) Check 9203 manual for correct output signal wiring.(\*\*) COM33-48 are shorted internally on the Backplane.

9203xxBx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#9	1	42, 43, 44 (*)	41	OUT49 / 49
				COM 49-64 (**) / 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT50 / 47 COM 49-64 (**) / 11, 13, 15, 17
#10	1	42, 43, 44 (*)	41	OUT51 / 45 COM 49-64 (**) / 11, 13, 15, 17
				2
	#11	1	42, 43, 44 (*)	41
2				
#12		1	42, 43, 44 (*)	41
	2			
	#13	1	42, 43, 44 (*)	41
2				
#14		1	42, 43, 44 (*)	41
	2			
	#15	1	42, 43, 44 (*)	41
2				
#16		1	42, 43, 44 (*)	41
	2			

**Please note:**

(\*) Check 9203 manual for correct output signal wiring.

(\*\*) COM49-64 are shorted internally on the Backplane.

# **BACKPLANE TO YOKOGAWA PROSAFE I/O CARD WIRING**

**SAI143 card wiring, 16 x AI,  
PR 9106 or PR 9113, 2 channels**

9106xB or 9113xB Field equipment terminals				40 pole DCS connection
Unit	Ch.	Z-w Tx mA-signal	Active mA-signal	Signal name / Pin number
#1	1	44 (+)	41 (-)	IN1A / 38
		43 (-)	42 (+)	IN1B / 37
	2	54 (+)	51 (-)	IN2A / 36
		53 (-)	52 (+)	IN2B / 35
#2	1	44 (+)	41 (-)	IN3A / 34
		43 (-)	42 (+)	IN3B / 33
	2	54 (+)	51 (-)	IN4A / 32
		53 (-)	52 (+)	IN4B / 31
#3	1	44 (+)	41 (-)	IN5A / 30
		43 (-)	42 (+)	IN5B / 29
	2	54 (+)	51 (-)	IN6A / 28
		53 (-)	52 (+)	IN6B / 27
#4	1	44 (+)	41 (-)	IN7A / 26
		43 (-)	42 (+)	IN7B / 25
	2	54 (+)	51 (-)	IN8A / 24
		53 (-)	52 (+)	IN8B / 23
#5	1	44 (+)	41 (-)	IN9A / 22
		43 (-)	42 (+)	IN9B / 21
	2	54 (+)	51 (-)	IN10A / 20
		53 (-)	52 (+)	IN10B / 19
#6	1	44 (+)	41 (-)	IN11A / 18
		43 (-)	42 (+)	IN11B / 17
	2	54 (+)	51 (-)	IN12A / 16
		53 (-)	52 (+)	IN12B / 15
#7	1	44 (+)	41 (-)	IN13A / 14
		43 (-)	42 (+)	IN13B / 13
	2	54 (+)	51 (-)	IN14A / 12
		53 (-)	52 (+)	IN14B / 11
#8	1	44 (+)	41 (-)	IN15A / 10
		43 (-)	42 (+)	IN15B / 09
	2	54 (+)	51 (-)	IN16A / 08
		53 (-)	52 (+)	IN16B / 07

**SDV144 card wiring, 16 x DI,  
PR 9202 2 channels**

9202xxB Field equipment terminals				50 pole DCS connection
Unit	Ch.	NAMUR sensor	Contact signal	Signal name / Pin number
#1	1	44 (+)	44 or 43 or 43/41 (*)	DC1 / 48
		42 (-)	42	IN1 / 47
	2	54 (+)	54 or 53 or 53/51 (*)	DC2 / 46
		52 (-)	52	IN2 / 45
#2	1	44 (+)	44 or 43 or 43/41 (*)	DC3 / 44
		42 (-)	42	IN3 / 43
	2	54 (+)	54 or 53 or 53/51 (*)	DC4 / 42
		52 (-)	52	IN4 / 41
#3	1	44 (+)	44 or 43 or 43/41 (*)	DC5 / 40
		42 (-)	42	IN5 / 39
	2	54 (+)	54 or 53 or 53/51 (*)	DC6 / 38
		52 (-)	52	IN6 / 37
#4	1	44 (+)	44 or 43 or 43/41 (*)	DC7 / 36
		42 (-)	42	IN7 / 35
	2	54 (+)	54 or 53 or 53/51 (*)	DC8 / 34
		52 (-)	52	IN8 / 33
#5	1	44 (+)	44 or 43 or 43/41 (*)	DC9 / 32
		42 (-)	42	IN9 / 31
	2	54 (+)	54 or 53 or 53/51 (*)	DC10 / 30
		52 (-)	52	IN10 / 29
#6	1	44 (+)	44 or 43 or 43/41 (*)	DC11 / 28
		42 (-)	42	IN11 / 27
	2	54 (+)	54 or 53 or 53/51 (*)	DC12 / 26
		52 (-)	52	IN12 / 25
#7	1	44 (+)	44 or 43 or 43/41 (*)	DC13 / 24
		42 (-)	42	IN13 / 23
	2	54 (+)	54 or 53 or 53/51 (*)	DC14 / 22
		52 (-)	52	IN14 / 21
#8	1	44 (+)	44 or 43 or 43/41 (*)	DC15 / 20
		42 (-)	42	IN15 / 19
	2	54 (+)	54 or 53 or 53/51 (*)	DC16 / 18
		52 (-)	52	IN16 / 17

**Please note:**

(\*) Check 9202 manual for correct contact input wiring



**SDV531 card wiring, 8 x DO,  
PR 9203, 1 channel**

9203xxAx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#1	1	42, 43, 44 (*)	41	OUT1 / 48 COM 1 / 47
	2	-	-	
#2	1	42, 43, 44 (*)	41	OUT2 / 46 COM 2 / 45
	2	-	-	
#3	1	42, 43, 44 (*)	41	OUT3 / 44 COM 3 / 43
	2	-	-	
#4	1	42, 43, 44 (*)	41	OUT4 / 42 COM 4 / 41
	2	-	-	
#5	1	42, 43, 44 (*)	41	OUT5 / 40 COM 5 / 39
	2	-	-	
#6	1	42, 43, 44 (*)	41	OUT6 / 38 COM 6 / 37
	2	-	-	
#7	1	42, 43, 44 (*)	41	OUT7 / 36 COM 7 / 35
	2	-	-	
#8	1	42, 43, 44 (*)	41	OUT8 / 34 COM 8 / 33
	2	-	-	

**Please note:**

(\*) Check 9203 manual for correct output signal wiring

**SDV541 card wiring, 16 x DO,  
PR 9203 1 channel**

9203xxAx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#1	1	42, 43, 44 (*)	41	OUT1 / 48 COM 1 / 47
	2	-	-	
#2	1	42, 43, 44 (*)	41	OUT2 / 46 COM 2 / 45
	2	-	-	
#3	1	42, 43, 44 (*)	41	OUT3 / 44 COM 3 / 43
	2	-	-	
#4	1	42, 43, 44 (*)	41	OUT4 / 42 COM 4 / 41
	2	-	-	
#5	1	42, 43, 44 (*)	41	OUT5 / 40 COM 5 / 39
	2	-	-	
#6	1	42, 43, 44 (*)	41	OUT6 / 38 COM 6 / 37
	2	-	-	
#7	1	42, 43, 44 (*)	41	OUT7 / 36 COM 7 / 35
	2	-	-	
#8	1	42, 43, 44 (*)	41	OUT8 / 34 COM 8 / 33
	2	-	-	

**Please note:**

(\*) Check 9203 manual for correct output signal wiring

9203xxAx Field equipment terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#9	1	42, 43, 44 (*)	41	OUT9 / 32 COM 9 / 31
	2	-	-	
#10	1	42, 43, 44 (*)	41	OUT10 / 30 COM 10 / 29
	2	-	-	
#11	1	42, 43, 44 (*)	41	OUT11 / 28 COM 11 / 27
	2	-	-	
#12	1	42, 43, 44 (*)	41	OUT12 / 26 COM 12 / 25
	2	-	-	
#13	1	42, 43, 44 (*)	41	OUT13 / 24 COM 13 / 23
	2	-	-	
#14	1	42, 43, 44 (*)	41	OUT14 / 22 COM 14 / 21
	2	-	-	
#15	1	42, 43, 44 (*)	41	OUT15 / 20 COM 15 / 19
	2	-	-	
#16	1	42, 43, 44 (*)	41	OUT16 / 18 COM 16 / 17
	2	-	-	

**Please note:**

(\*) Check 9203 manual for correct output signal wiring

# **APPENDIX**

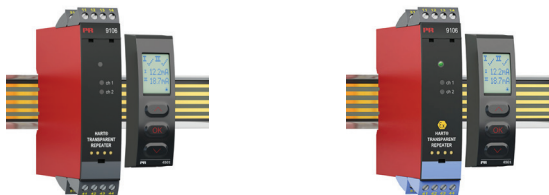
**BACKPLANE TO I/O CARD  
CABLE REFERENCES  
&  
9106, 9107, 9113, 9202, 9203  
WIRING CONNECTION**

# SYSTEM CABLES FOR YOKOGAWA BACKPLANES

## Description

- Shielded round cable, assembled with two 40 or 50 pole MIL connectors, KS type or equivalent.
- Cable length: Variable.
- The following I/O cards can be connected:  
AAI141, AAI841, ADV151, ADV161, ADV551, ADV561.  
SAI143, SDV144, SDV531, SDV541.

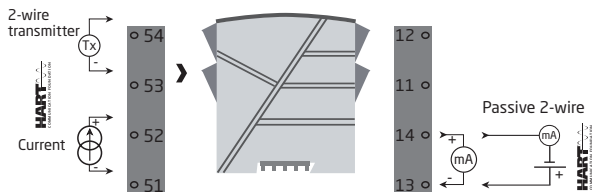
# 9106 HART TRANSPARENT REPEATER



Channel 1



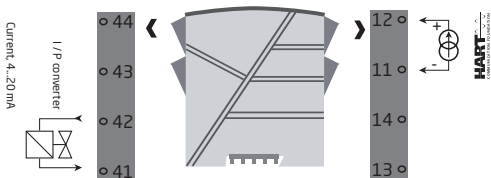
Channel 2



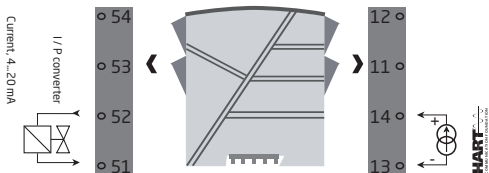
# 9107 HART TRANSPARENT DRIVER



Channel 1



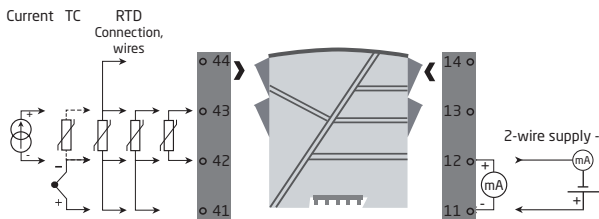
Channel 2



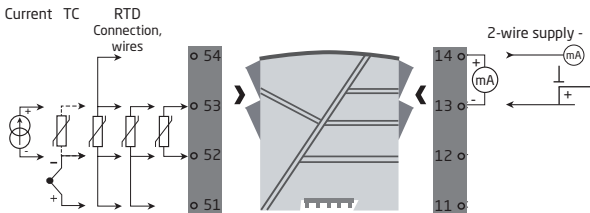
# 9113 TEMPERATURE / mA CONVERTER



Channel 1:

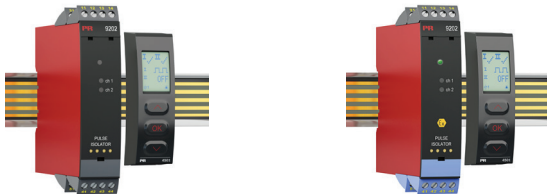


Channel 2:

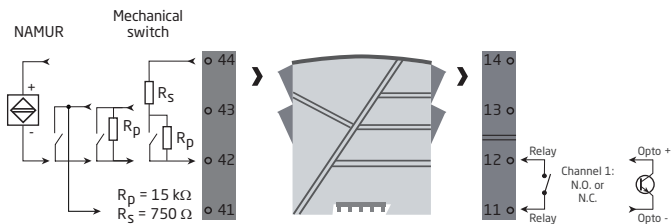




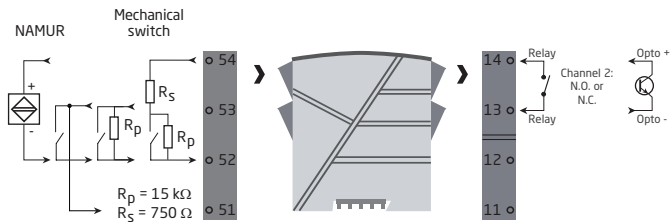
# 9202 PULSE ISOLATOR



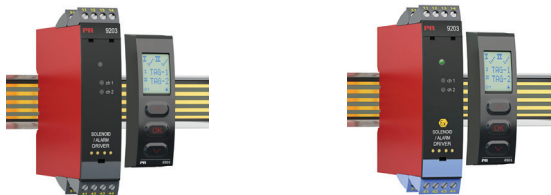
Channel 1:



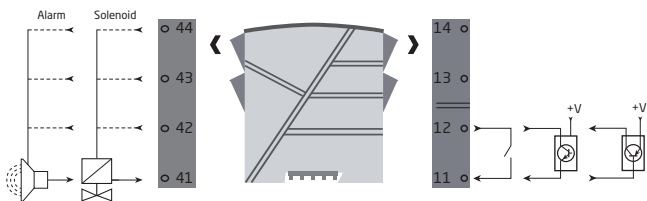
Channel 2:



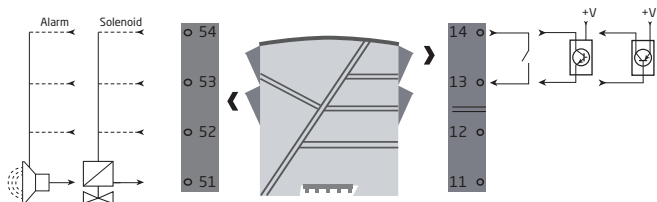
# 9203 SOLENOID / ALARM DRIVER



Channel 1



Channel 2





**Displays** Programmable displays with a wide selection of inputs and outputs for display of temperature, volume and weight, etc. Feature linearization, scaling, and difference measurement functions for programming via PReset software.



**I.S. interfaces** Interfaces for analog and digital signals as well as HART signals between sensors / I/P converters /frequency signals and control systems in Ex zone 0, 1 & 2 and for some devices in zone 20, 21 & 22.



**Isolation** Galvanic isolators for analog and digital signals as well as HART signals. A wide product range with both loop-powered and universal isolators featuring linearization, inversion, and scaling of output signals.






























**Temperature** A wide selection of transmitters for DIN form B mounting and DIN rail devices with analog and digital bus communication ranging from application-specific to universal transmitters.



**Multifunctional** PC or front programmable devices with universal options for input, output and supply. This range offers a number of advanced features such as process calibration, linearization and auto-diagnosis.



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