



7908/7916/7932

System 9000 Backplane

**Yokogawa wiring manual
and I/O card reference list**

No. 7900YWM100_UK

**SYSTEM 9000 BACKPLANE
YOKOGAWA WIRING MANUAL
AND I/O CARD REFERENCE LIST
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(1350)

PR 7900 BACKPLANE TYPES

FOR

YOKOGAWA CENTUM & PROSAFE

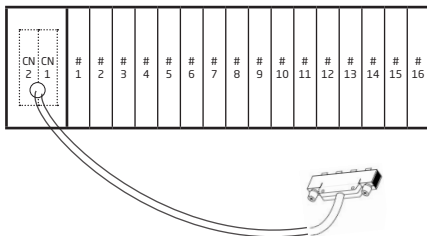
SUPPORTED YOKOGAWA DCS SYSTEMS & I/O CARDS

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

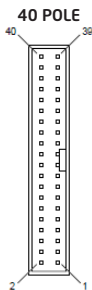
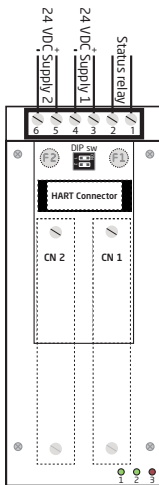
Please note:

(*) 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.

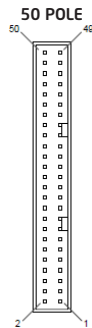
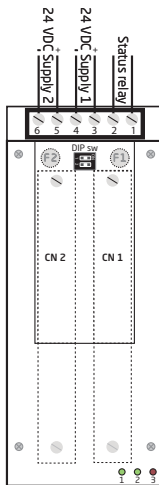
SUPPLY AND STATUS RELAY CONNECTIONS AND YOKOGAWA SYSTEM CABLE CONNECTORS



**9106 & 9107
BACKPLANE BOARD**



**9202 & 9203
BACKPLANE BOARD**



Please note:

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

YOKOGAWA CENTUM

BACKPLANE TO YOKOGAWA I/O CARD WIRING

BACKPLANE TO YOKOGAWA AAI141 CARD WIRING

BACKPLANE TO YOKOGAWA AAI141 CARD WIRING

9106BxB I.S. Input terminals				40 pole DCS connection
Unit	Ch.	2-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

BACKPLANE TO YOKOGAWA AAI841 CARD WIRING

BACKPLANE TO YOKOGAWA AAI841 CARD WIRING

9106BxB I.S. Input terminals				40 pole DCS connection
Unit	Ch.	2-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
9107BB I.S. Output terminals				
#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

BACKPLANE TO YOKOGAWA ADV151 CARD WIRING

BACKPLANE TO YOKOGAWA ADV151 CARD WIRING

9202BxB I.S. Input 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.

BACKPLANE TO YOKOGAWA ADV151 CARD WIRING

9202xBxB I.S. Input 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.

BACKPLANE TO YOKOGAWA ADV161 CARD WIRING

BACKPLANE #1 TO YOKOGAWA ADV161 CARD WIRING

9202BxB I.S. Input 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.

BACKPLANE #1 TO YOKOGAWA ADV161 CARD WIRING

9202BxB I.S. Input 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.

BACKPLANE #2 TO YOKOGAWA ADV161 CARD WIRING

9202BxB I.S. Input 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.

BACKPLANE #2 TO YOKOGAWA ADV161 CARD WIRING

9202BxB I.S. Input 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.

BACKPLANE TO YOKOGAWA ADV551 CARD WIRING

BACKPLANE TO YOKOGAWA ADV551 CARD WIRING

9203BxB I.S. Output 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.

BACKPLANE TO YOKOGAWA ADV551 CARD WIRING

9203BxB I.S. Output 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
				COM 17-32 (**)/11, 13, 15, 17
#10	1	42, 43, 44 (*)	41	OUT19 / 45
				COM 17-32 (**)/11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT20 / 43
				COM 17-32 (**)/11, 13, 15, 17
#11	1	42, 43, 44 (*)	41	OUT21 / 41
				COM 17-32 (**)/11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT22 / 39
				COM 17-32 (**)/11, 13, 15, 17
#12	1	42, 43, 44 (*)	41	OUT23 / 37
				COM 17-32 (**)/11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT24 / 35
				COM 17-32 (**)/11, 13, 15, 17
#13	1	42, 43, 44 (*)	41	OUT25 / 33
				COM 17-32 (**)/11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT26 / 31
				COM 17-32 (**)/11, 13, 15, 17
#14	1	42, 43, 44 (*)	41	OUT27 / 29
				COM 17-32 (**)/11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT28 / 27
				COM 17-32 (**)/11, 13, 15, 17
#15	1	42, 43, 44 (*)	41	OUT29 / 25
				COM 17-32 (**)/11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT30 / 23
				COM 17-32 (**)/11, 13, 15, 17
#16	1	42, 43, 44 (*)	41	OUT31 / 21
				COM 17-32 (**)/11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT32 / 19
				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.

BACKPLANE TO YOKOGAWA ADV561 CARD WIRING

BACKPLANE #1 TO YOKOGAWA ADV561 CARD WIRING

9203BxB I.S. Output 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
	2	52, 53, 54 (*)	51	OUT2 / 48
#2	1	42, 43, 44 (*)	41	COM 1-16 (**)/12, 14, 16, 18
				OUT3 / 46
	2	52, 53, 54 (*)	51	OUT4 / 44
#3	1	42, 43, 44 (*)	41	COM 1-16 (**)/12, 14, 16, 18
				OUT5 / 42
	2	52, 53, 54 (*)	51	OUT6 / 40
#4	1	42, 43, 44 (*)	41	COM 1-16 (**)/12, 14, 16, 18
				OUT7 / 38
	2	52, 53, 54 (*)	51	OUT8 / 36
#5	1	42, 43, 44 (*)	41	COM 1-16 (**)/12, 14, 16, 18
				OUT9 / 34
	2	52, 53, 54 (*)	51	OUT10 / 32
#6	1	42, 43, 44 (*)	41	COM 1-16 (**)/12, 14, 16, 18
				OUT11 / 30
	2	52, 53, 54 (*)	51	OUT12 / 28
#7	1	42, 43, 44 (*)	41	COM 1-16 (**)/12, 14, 16, 18
				OUT13 / 26
	2	52, 53, 54 (*)	51	OUT14 / 24
#8	1	42, 43, 44 (*)	41	COM 1-16 (**)/12, 14, 16, 18
				OUT15 / 22
	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.

BACKPLANE #1 TO YOKOGAWA ADV561 CARD WIRING

9203BxB I.S. Output 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
#9	2	52, 53, 54 (*)	51	OUT18 / 47
				COM 17-32 (**)/ 11, 13, 15, 17
#10	1	42, 43, 44 (*)	41	OUT19 / 45
				COM 17-32 (**)/ 11, 13, 15, 17
#10	2	52, 53, 54 (*)	51	OUT20 / 43
				COM 17-32 (**)/ 11, 13, 15, 17
#11	1	42, 43, 44 (*)	41	OUT21 / 41
				COM 17-32 (**)/ 11, 13, 15, 17
#11	2	52, 53, 54 (*)	51	OUT22 / 39
				COM 17-32 (**)/ 11, 13, 15, 17
#12	1	42, 43, 44 (*)	41	OUT23 / 37
				COM 17-32 (**)/ 11, 13, 15, 17
#12	2	52, 53, 54 (*)	51	OUT24 35
				COM 17-32 (**)/ 11, 13, 15, 17
#13	1	42, 43, 44 (*)	41	OUT25 / 33
				COM 17-32 (**)/ 11, 13, 15, 17
#13	2	52, 53, 54 (*)	51	OUT26 / 31
				COM 17-32 (**)/ 11, 13, 15, 17
#14	1	42, 43, 44 (*)	41	OUT27 / 29
				COM 17-32 (**)/ 11, 13, 15, 17
#14	2	52, 53, 54 (*)	51	OUT28 / 27
				COM 17-32 (**)/ 11, 13, 15, 17
#15	1	42, 43, 44 (*)	41	OUT29 / 25
				COM 17-32 (**)/ 11, 13, 15, 17
#15	2	52, 53, 54 (*)	51	OUT30 / 23
				COM 17-32 (**)/ 11, 13, 15, 17
#16	1	42, 43, 44 (*)	41	OUT31 / 21
				COM 17-32 (**)/ 11, 13, 15, 17
#16	2	52, 53, 54 (*)	51	OUT32 / 19
				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.

BACKPLANE #2 TO YOKOGAWA ADV561 CARD WIRING

9203BxB I.S. Output 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.

BACKPLANE #2 TO YOKOGAWA ADV561 CARD WIRING

9203BxB I.S. Output 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	52, 53, 54 (*)	51	OUT52 / 43
				COM 49-64 (**)/ 11, 13, 15, 17
#11	1	42, 43, 44 (*)	41	OUT53 / 41
				COM 49-64 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT54 / 39
				COM 49-64 (**)/ 11, 13, 15, 17
#12	1	42, 43, 44 (*)	41	OUT55 / 37
				COM 49-64 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT56 / 35
				COM 49-64 (**)/ 11, 13, 15, 17
#13	1	42, 43, 44 (*)	41	OUT57 / 33
				COM 49-64 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT55 / 31
				COM 49-64 (**)/ 11, 13, 15, 17
#14	1	42, 43, 44 (*)	41	OUT59 / 29
				COM 49-64 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT60 / 27
				COM 49-64 (**)/ 11, 13, 15, 17
#15	1	42, 43, 44 (*)	41	OUT61 / 25
				COM 49-64 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT62 / 23
				COM 49-64 (**)/ 11, 13, 15, 17
#16	1	42, 43, 44 (*)	41	OUT63 / 21
				COM 49-64 (**)/ 11, 13, 15, 17
	2	52, 53, 54 (*)	51	OUT64 / 19
				COM 49-64 (**)/ 11, 13, 15, 17

Please note:

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

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

YOKOGAWA PROSAFE

BACKPLANE TO YOKOGAWA I/O CARD WIRING

BACKPLANE TO YOKOGAWA SDV144 CARD WIRING

BACKPLANE TO YOKOGAWA SDV144 CARD WIRING

9202xBxB I.S. Input 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

BACKPLANE TO YOKOGAWA SDV531 CARD WIRING

BACKPLANE TO YOKOGAWA SDV531 CARD WIRING

9203BxA I.S. Output 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

BACKPLANE TO YOKOGAWA SDV541 CARD WIRING

BACKPLANE TO YOKOGAWA SDV541 CARD WIRING

9203BxA I.S. Output 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

BACKPLANE TO YOKOGAWA SDV541 CARD WIRING

9203BxA I.S. Output terminals				50 pole DCS connection
Unit	Ch.	Output (+) signal	Return (-) signal	Signal name / Pin number
#1	1	42, 43, 44 (*)	41	OUT9 / 32
				COM 9 / 31
	2	-	-	
#2	1	42, 43, 44 (*)	41	OUT10 / 30
				COM 10 / 29
	2	-	-	
#3	1	42, 43, 44 (*)	41	OUT11 / 28
				COM 11 / 27
	2	-	-	
#4	1	42, 43, 44 (*)	41	OUT12 / 26
				COM 12 / 25
	2	-	-	
#5	1	42, 43, 44 (*)	41	OUT13 / 24
				COM 13 / 23
	2	-	-	
#6	1	42, 43, 44 (*)	41	OUT14 / 22
				COM 14 / 21
	2	-	-	
#7	1	42, 43, 44 (*)	41	OUT15 / 20
				COM 15 / 19
	2	-	-	
#8	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
&
9106B, 9107B, 9202B, 9203B
WIRING CONNECTION**

SYSTEM CABLES FOR YOKOGAWA MADE BY PHOENIX CONTACT

System cables for YOKOGAWA

These pre-assembled system cables with overmoulded connectors are plugged onto the CENTUM I/O-cards with 50-pos. or 40-pos. MIL connectors. A special adapter is not necessary. The cable connector on the other side can be plugged on all termination boards using KS or AKB compatible connectors:

- FLK 50-PA.../YUC: 50 position connectors on both ends (1:1 connection)
- FLK 40-PA.../YUC: 40 position connectors on both ends (1:1 connection)



FLK 40-PA/EZ-DR/KS/.../YUC
FLK 50-PA/EZ-DR/KS/.../YUC

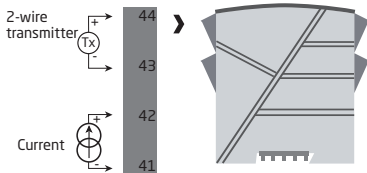
Description	Cable Length [m]	Part Description	Order No.	Pos. Page
50-pos. YUC cables:				
	1,0	FLK 50-PA/EZ-DR/KS/100YUC	23 00 991	1
	2,0	FLK 50-PA/EZ-DR/KS/200YUC	23 14 293	1
	3,0	FLK 50-PA/EZ-DR/KS/300YUC	23 14 309	1
	4,0	FLK 50-PA/EZ-DR/KS/400YUC	23 14 312	1
	5,0	FLK 50-PA/EZ-DR/KS/500YUC	23 21 439	1
	6,0	FLK 50-PA/EZ-DR/KS/600YUC	23 14 927	1
	7,0	FLK 50-PA/EZ-DR/KS/700YUC	23 21 509	1
	8,0	FLK 50-PA/EZ-DR/KS/800YUC	23 14 930	1
	9,0	FLK 50-PA/EZ-DR/KS/900YUC	23 21 512	1
	10,0	FLK 50-PA/EZ-DR/KS/1000YUC	23 14 325	1
	11,0	FLK 50-PA/EZ-DR/KS/1100YUC	23 21 389	1
	12,0	FLK 50-PA/EZ-DR/KS/1200YUC	23 21 525	1
	13,0	FLK 50-PA/EZ-DR/KS/1300YUC	23 21 352	1
	14,0	FLK 50-PA/EZ-DR/KS/1400YUC	23 21 402	1
	15,0	FLK 50-PA/EZ-DR/KS/1500YUC	23 14 338	1
	16,0	FLK 50-PA/EZ-DR/KS/1600YUC	23 21 538	1
	17,0	FLK 50-PA/EZ-DR/KS/1700YUC	23 21 541	1
	18,0	FLK 50-PA/EZ-DR/KS/1800YUC	23 21 554	1
	19,0	FLK 50-PA/EZ-DR/KS/1900YUC	23 21 567	1
	20,0	FLK 50-PA/EZ-DR/KS/2000YUC	23 14 903	1
	25,0	FLK 50-PA/EZ-DR/KS/2500YUC	23 14 516	1
	30,0	FLK 50-PA/EZ-DR/KS/3000YUC	23 14 529	1
40-pos. YUC cables:				
	1,0	FLK 40-PA/EZ-DR/KS/ 100YUC	23 22 786	1
	2,0	FLK 40-PA/EZ-DR/KS/200YUC	23 14 341	1
	3,0	FLK 40-PA/EZ-DR/KS/300YUC	23 14 354	1
	4,0	FLK 40-PA/EZ-DR/KS/400YUC	23 14 367	1
	5,0	FLK 40-PA/EZ-DR/KS/ 500YUC	23 21 570	1
	6,0	FLK 40-PA/EZ-DR/KS/600YUC	23 14 943	1
	7,0	FLK 40-PA/EZ-DR/KS/ 700YUC	23 21 583	1
	8,0	FLK 40-PA/EZ-DR/KS/800YUC	23 14 956	1
	9,0	FLK 40-PA/EZ-DR/KS/ 900YUC	23 21 415	1
	10,0	FLK 40-PA/EZ-DR/KS/1000YUC	23 14 370	1
	11,0	FLK 40-PA/EZ-DR/KS/1100YUC	23 21 428	1
	12,0	FLK 40-PA/EZ-DR/KS/1200YUC	23 21 431	1
	13,0	FLK 40-PA/EZ-DR/KS/1300YUC	23 21 444	1
	14,0	FLK 40-PA/EZ-DR/KS/1400YUC	23 21 457	1
	15,0	FLK 40-PA/EZ-DR/KS/1500YUC	23 14 983	1
	16,0	FLK 40-PA/EZ-DR/KS/1600YUC	23 21 586	1
	17,0	FLK 40-PA/EZ-DR/KS/1700YUC	23 21 606	1
	18,0	FLK 40-PA/EZ-DR/KS/1800YUC	23 21 619	1
	19,0	FLK 40-PA/EZ-DR/KS/1900YUC	23 21 622	1
	20,0	FLK 40-PA/EZ-DR/KS/2000YUC	23 14 532	1
	25,0	FLK 40-PA/EZ-DR/KS/2500YUC	23 14 545	1
	30,0	FLK 40-PA/EZ-DR/KS/3000YUC	23 14 558	1
	35,0	FLK 40-PA/EZ-DR/KS/3500YUC	23 01 017	1
	40,0	FLK 40-PA/EZ-DR/KS/4000YUC	23 01 052	1
	45,0	FLK 40-PA/EZ-DR/KS/4500YUC	23 02 912	1

9106B

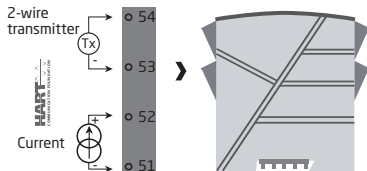
HART[®] transparent repeater



Channel 1



Channel 2

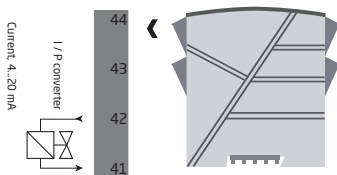


9107B

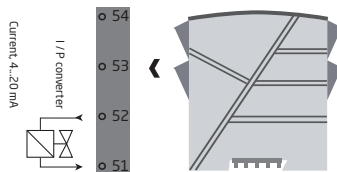
HART[®] transparent driver



Channel 1



Channel 2

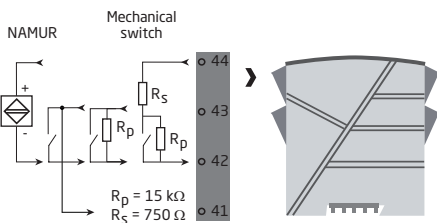


9202B

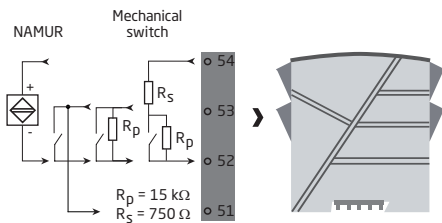
Pulse isolator



Channel 1:



Channel 2:

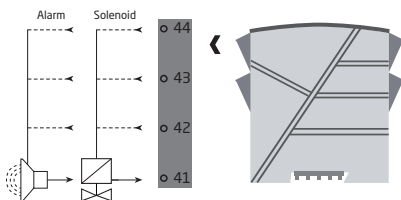


9203B

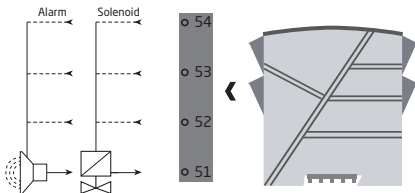
Solenoid / Alarm driver



Channel 1



Channel 2





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



I.S. interfaces Interfaces for analogue 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 analogue and digital signals as well as HART® signals. A wide product range with both loop-powered and universal isolators featuring linearisation, inversion, and scaling of output signals.



Temperature A wide selection of transmitters for DIN form B mounting and DIN rail devices with analogue 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, linearisation and auto-diagnosis.



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QUALITY SYSTEM AND ENVIRONMENTAL MANAGEMENT SYSTEM
 DS/EN ISO 9001
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