

# SPIDER 20.95

All versions

## QUADRO GENERALE

electric diagram

La norma IEC 60757 indica le abbreviazioni internazionali dei colori dei conduttori, come mostra la tabella sotto.

IEC 60757 norm indicates the international abbreviation for conductor colours, as shown below.

COLORS(en)                      COLORI(ita)

black	bk	nero
brown	bn	marrone
red	rd	rosso
orange	og	arancio
yellow	ye	giallo
green	gn	verde
blue	bu	blu
violet	vt	viola
gray	gy	grigio
white	wh	bianco
pink	pk	rosa
turquoise	tq	turchese

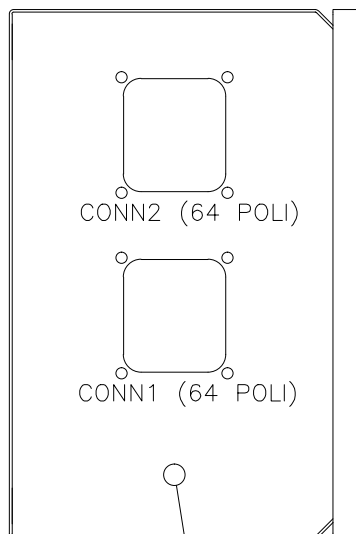
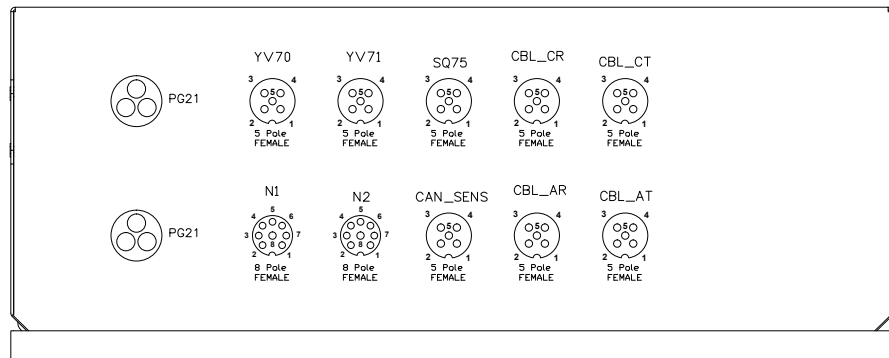
Schema aggiornato alle nuove normative Europee EN280:2013 ed EN13849-1  
Updated according to the European laws EN280:2013 and EN13849-1

01/07/2021- Introdotta gestione iGX390 con acceleratore proporzionale  
03/02/2021- Aggiunto relè preriscaldamento candelette bordo motore, eliminato dal q.base. Eliminato temporizzatore Kubota.  
17/02/2020- Eseguite correzioni su inversione direzione movimenti aerei  
22/01/2020- invertita la descrizione per rot. DX e SX per versione definitiva adesivi. Spostata YV125 in parallelo a YV127

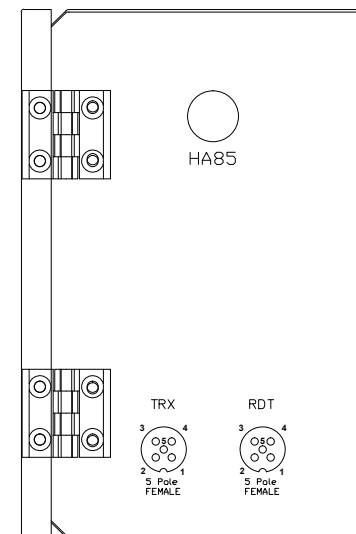
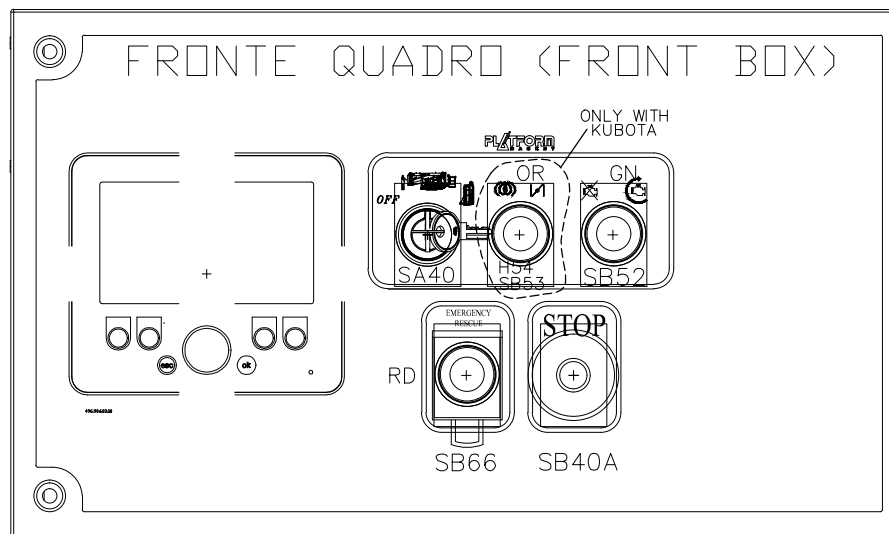
**PLATFORM**  
BASKET

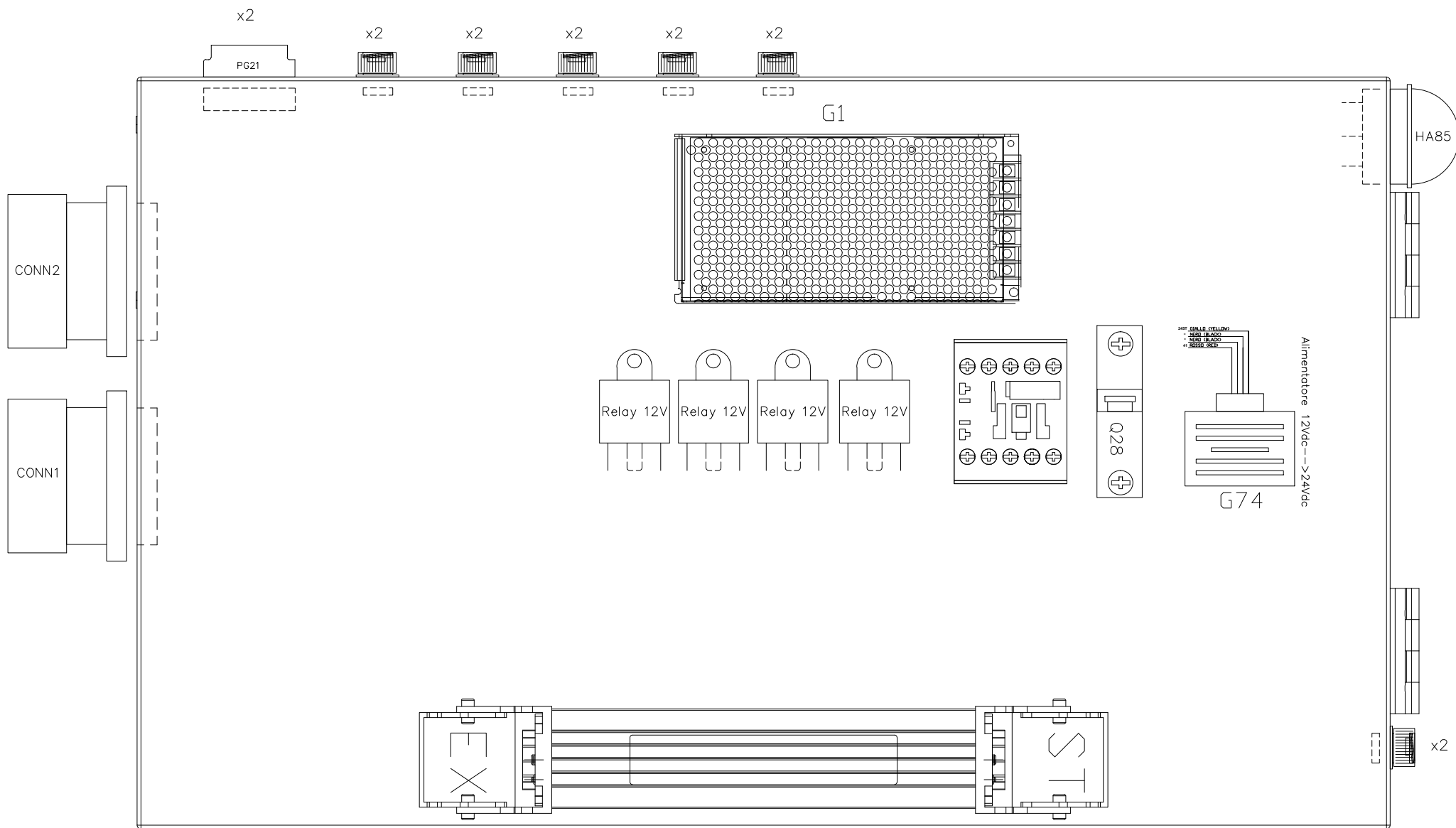
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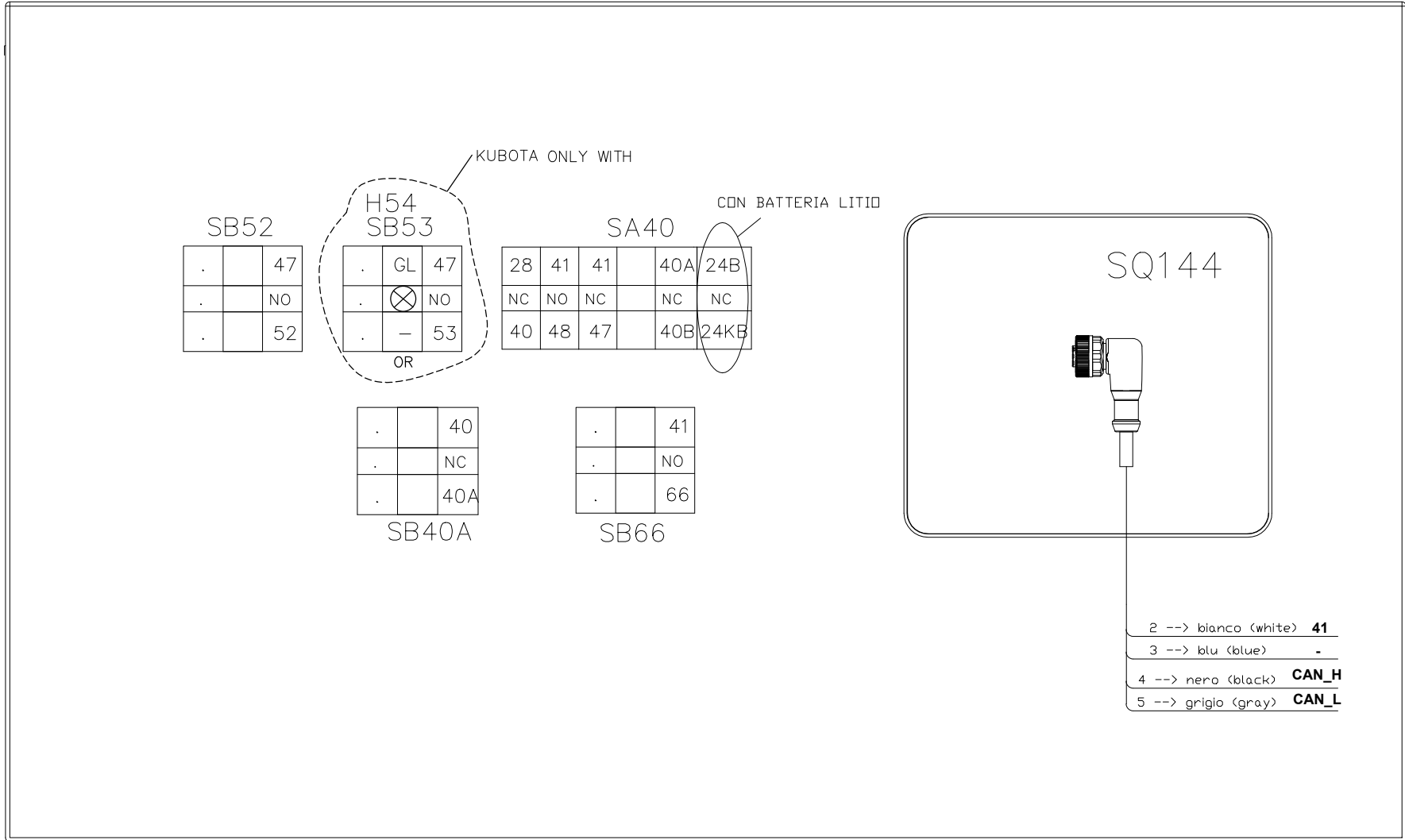
TIPOLOGIA	BUILDING DIAGRAM	DATA	01.07.2021
MACCHINA/MODELLO	SPIDER 20.95	DISEGNATORE	S.S.
DENOMINAZIONE	GENERAL PANEL	GRUPPO	ELECTRIC (90)
DIS. N.	4969060102_SCH_01		



VALVOLA ANTICONDENSA

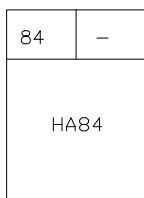




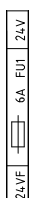


QUESTO DISEGNO E' PROPRIETA' DELLA NOSTRA SOCIETA'  
 CHE TUTELERA' I PROPRI DIRITTI A TERMINI DI LEGGE  
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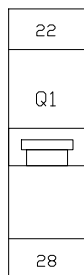
# CABLAGGIO INTERNO (INDOOR WIRING)



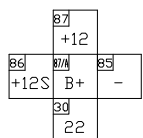
Cicalino  
Beeper



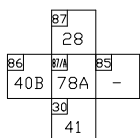
Fusibile 24V  
24V fuse



Magnetotermico  
generale  
General  
thermic switch

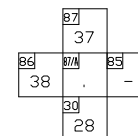


KA27  
RELE' SCAMBIO  
ALIMENTAZIONE  
Exchange feeding  
relay

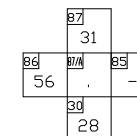


KA40  
POSITIVO  
GENERALE  
Main  
Positive

## KUBOTA VERSION

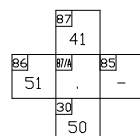


KA38  
SPEGNIMENTO MOT.  
A SCOPPIO  
Diesel engine  
STOP



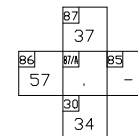
KA39  
ACCELERATORE  
MOTORE SCOPPIO  
Engine  
accelerator

## OPTIONAL



KA51  
COMANDO TELER.  
EL.POMPA EMERGENZA  
relay for  
emergency el.pump

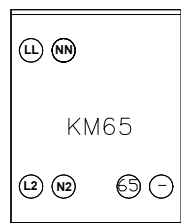
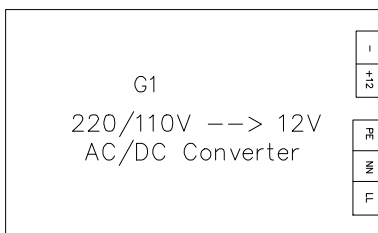
## HONDA iGX390 VERSION



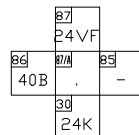
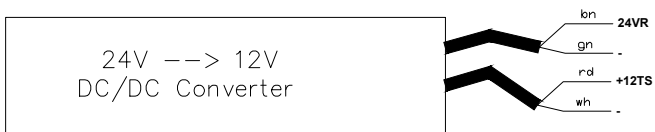
KA38  
SPEGNIMENTO MOT.  
A SCOPPIO  
Diesel engine  
STOP

POTENZA 3W  
TOLLERANZA 0.1%  
Power rating : 3W  
Tolerance 0.1%  
10 Ωhm

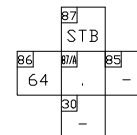
## PRESENT ONLY WITH 220V ELECTRIC MOTOR



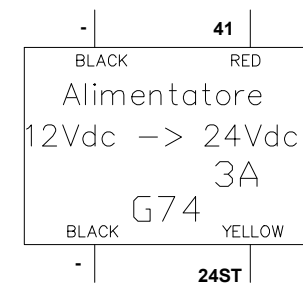
## PRESENT ONLY WITH 24V BATTERY PACK



KA41  
RELE' SCATTO  
CHIAVE INVERTER  
Inverter key  
switch relay



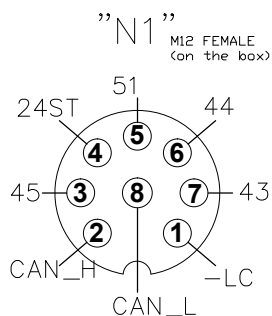
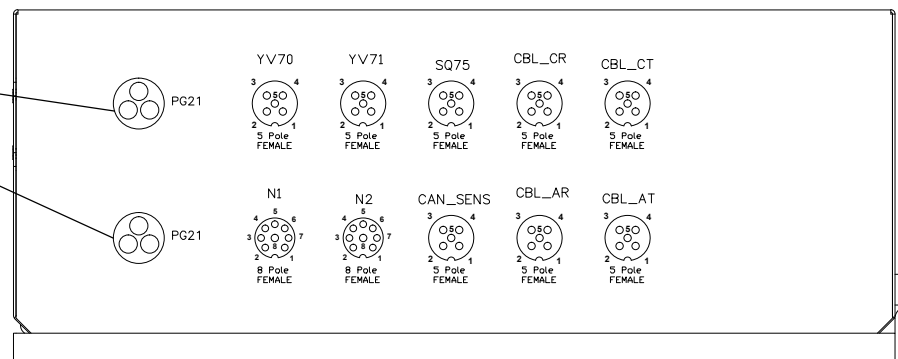
KA64  
RELE' START  
MOTORE INVERTER  
Inverter motor  
start relay



# CABLAGGIO INTERNO (INDOOR WIRING)

Disposizione cablaggi per pressacavi in fori PG21

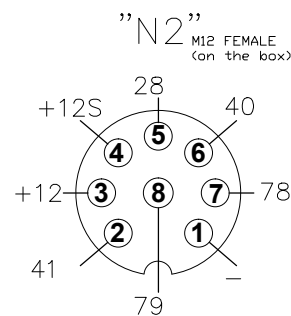
Versione	PG21	PG21
<b>D-B</b> Motore a scoppio + Motore elettrico 110V/220V	Dedicato a Cavi OPTIONAL: TS145 Q148 Q149	Gommino 3 cavi Cavi passanti: M (3x2.5mmq) A (3x2.5mmq) BAT (2x2.5mmq)
<b>ED-EB</b> Motore a scoppio + Batterie 24V LITIO	Dedicato a Cavi OPTIONAL: TS145 Q148 Q149	Gommino 3 cavi Cavi passanti: TB AMP BAT (2x2.5mmq)
<b>E</b> Motore elettrico 110V/220V + Batterie 24V LITIO	AMP + Cavi OPTIONAL: TS145 Q148 Q149	Gommino 3 cavi Cavi passanti: M (3x2.5mmq) A (3x2.5mmq) TB



CABLE "N1"

- LC bianco (wh)
- CAN\_H marrone (bn)
- 45 verde (gn)
- 24ST giallo (ye)
- 51 grigio (gy)
- 44 rosa (pk)
- 43 blu (bu)
- CAN\_L rosso (rd)

CAVO 8x0.25mmq  
lunghezza: xx.00m  
(Colorazione secondo normativa DIN 47100)  
(Cable color by DIN 47100)



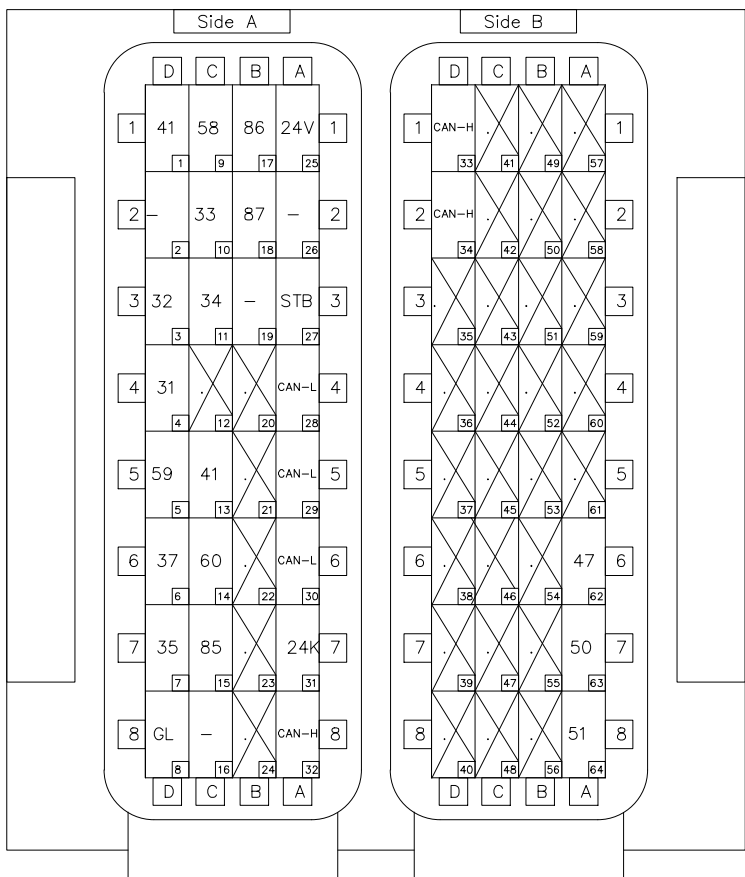
CABLE "N2"

- bianco (wh)
- 41 marrone (bn)
- +12 verde (gn)
- 12S giallo (ye)
- 28 grigio (gy)
- 40 rosa (pk)
- 78 blu (bu)
- 79 rosso (rd)

CAVO 8x0.25mmq  
lunghezza: xx.00m  
(Colorazione secondo normativa DIN 47100)  
(Cable color by DIN 47100)

"CONN1"

"CONN1"



VISTA INTERNO QUADRO (INSIDE PANEL VIEW)

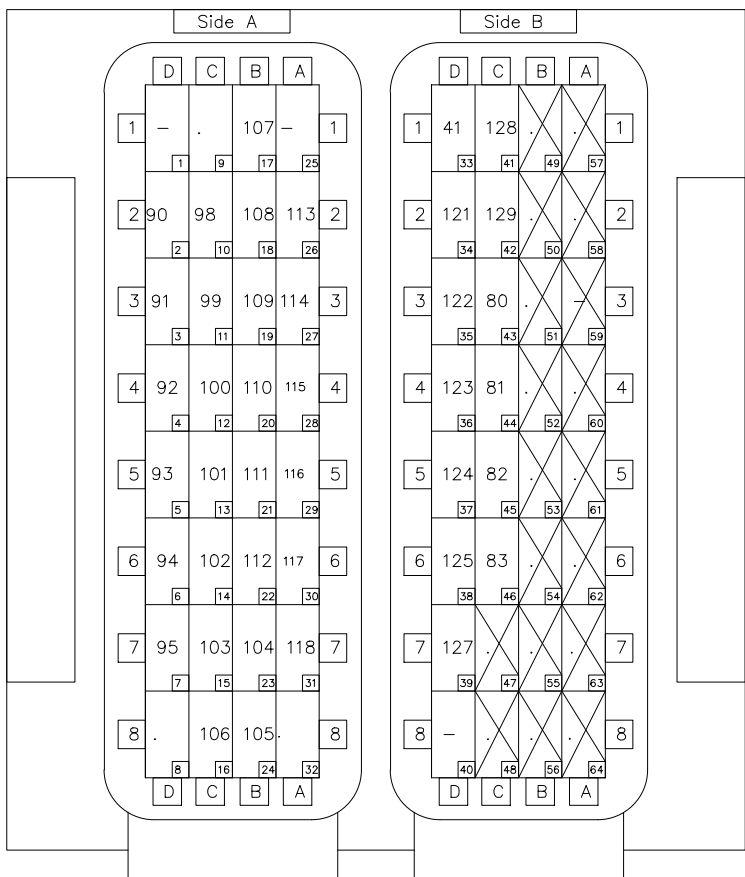
n° morsetto	filo interno quadro	filo esterno quadro
1	41	BC-1
2	-	BC-2
3	32	H-3
4	31	H-4
5	59	H-5
6	37	H-6
7	35	H-7
8	GL	H-8
9	58	H-9
10	33	H-10
11	34	H-11
12	.	.
13	41	Q60-bn
14	60	Q60-bu
15	85	Q85-bu
16	-	Q85-wh
17	86	Q86-1
18	87	Q86-2
19	-	Q86-ye/gn
20	.	.
21	.	.
22	.	.
23	.	.
24	.	.
25	24V	INV-1
26	-	INV-2
27	STB	INV-5
28	CAN-L	INV-6
29	CAN-L	INV-7
30	CAN-L	INV-8
31	24K	INV-9
32	CAN-H	INV-10
33	CAN-H	INV-11
34	CAN-H	INV-12

n° morsetto	filo interno quadro	filo esterno quadro
35	.	.
36	.	.
37	.	.
38	.	.
39	.	.
40	.	.
41	.	.
42	.	.
43	.	.
44	.	.
45	.	.
46	.	.
47	.	.
48	.	.
49	.	.
50	.	.
51	.	.
52	.	.
53	.	.
54	.	.
55	.	.
56	.	.
57	.	.
58	.	.
59	.	.
60	.	.
61	.	.
62	47	Q51-bn
63	51	Q51-bu
64	50	EL1-bn

Controparte presente  
solo versioni EB-E-ED

"CONN2"

"CONN2"



VISTA INTERNO QUADRO (INSIDE PANEL VIEW)

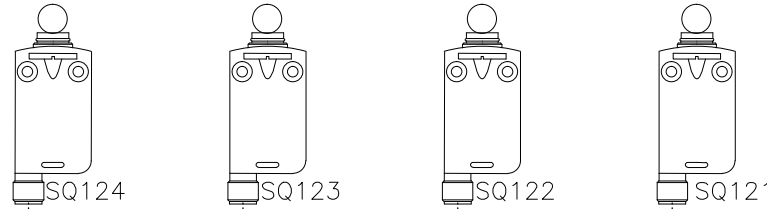
n° morsetto	filo interno quadro	filo esterno quadro	n° morsetto	filo interno quadro	filo esterno quadro
1	-	RACK_YV-bu			
2	90	RACK_YV-wh/gy	35	122	RACK2-bk
3	91	RACK_YV-bk			
4	92	RACK_YV-gy/bn	36	123	RACK2-ye
5	93	RACK_YV-vt	37	124	RACK2-wh
6	94	RACK_YV-ye/bn	38	125	RACK2-gn
7	95	RACK_YV-rd	39	127	RACK2-gy
8	.	.	40	-	RACK2-bu
9	.	.	41	128	RACK2-rd
10	98	RACK_YV-rd/bu	42	129	RACK2-vt
			43	80	RACK2-rd/bu
11	99	RACK_YV-gn	44	81	RACK2-bn/gn
12	100	RACK_YV-wh/ye	45	82	RACK2-ye/bn
13	101	RACK_YV-pk			
14	102	RACK_YV-wh/gn	46	83	RACK2-gy/bn
15	103	RACK_YV-ye	47	.	.
16	106	Q106-wh	48	.	.
17	107	Q106-bk	49	.	.
18	108	Q108-wh	50	.	.
19	109	Q108-bk	51	.	.
20	110	Q110-wh	52	.	.
			53	.	.
21	111	Q110-bk	54	.	.
22	112	Q112-wh			
23	104	Q104-bk	55	.	.
24	105	Q104-wh	56	.	.
			57	.	.
25	-		58	.	.
26	113	Q112-bk	59	.	.
27	114	Q114-bk			
28	115	Q114-wh			
29	116	Q116-wh	60	.	.
30	117	Q116-bk	61	.	.
31	118	Q118-bk	62	.	.
32	.	.	63	.	.
33	41		64	.	.
34	121	RACK2-pk			

Q104-bu  
Q106-bu  
Q107-bu  
Q110-bu  
Q112-bu  
Q114-bu  
Q116-bu  
Q118-bu

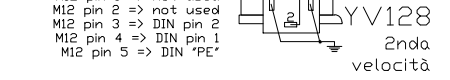
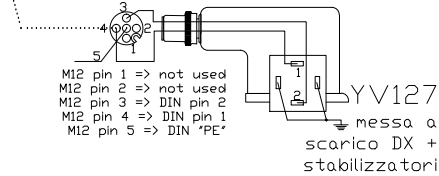
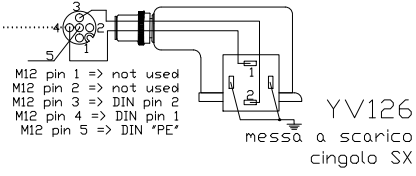
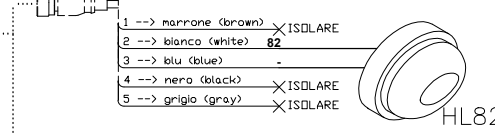
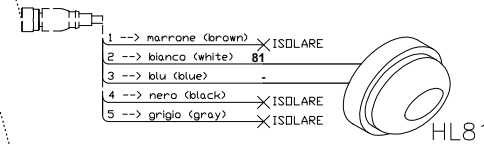
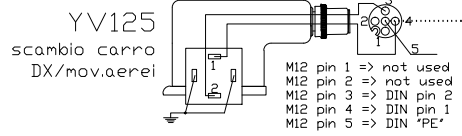
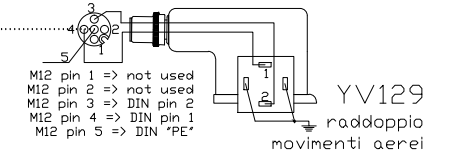
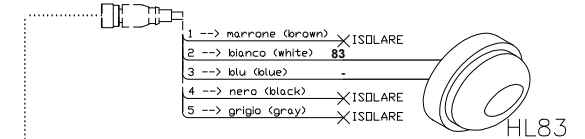
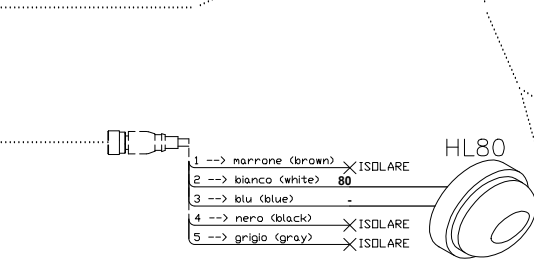
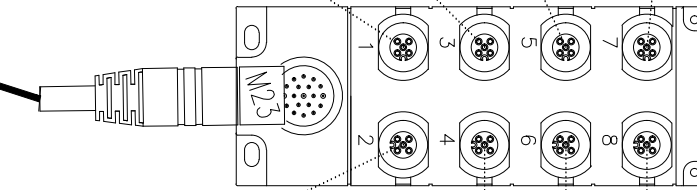
RACK2-wh/ye  
RACK2-wh/gy  
RACK2-wh/gn  
RACK2-gy/pk



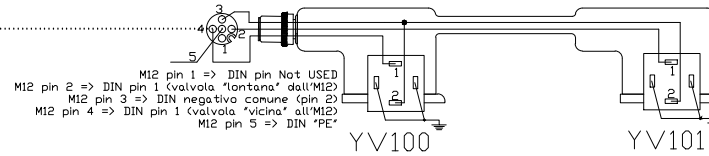
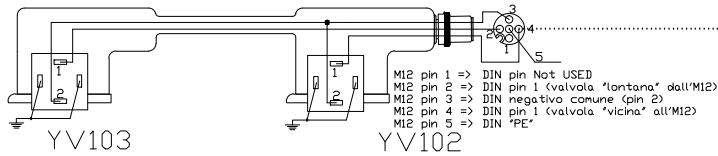
# RACK2



POLO CIABATTA	COLORE FILO	N° INTERNO QUADRO
8	vt	129
	gy/bn	83
	bk	122
7	wh/gy	41
	rd	128
6	ye/bn	82
	pk	121
5	wh/ye	41
	gy	127
4	bn/gn	81
	ye	123
3	wh/gn	41
	gn	125
2	rd/bu	80
	wh	124
1	gy/pk	41
	bn(1mmq)	..
	bu(1mmq)	-
	PE gn/ye(1mmq)	..

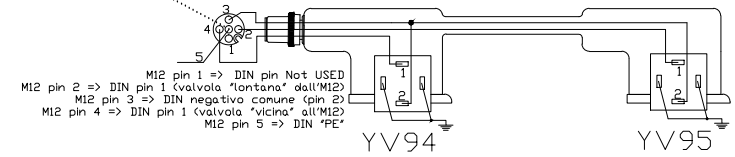
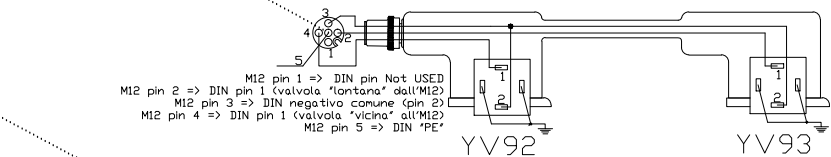
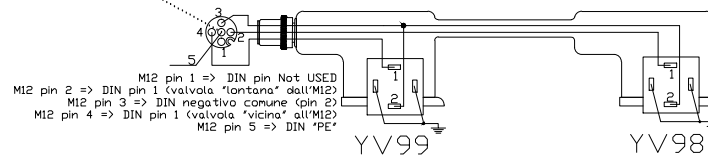
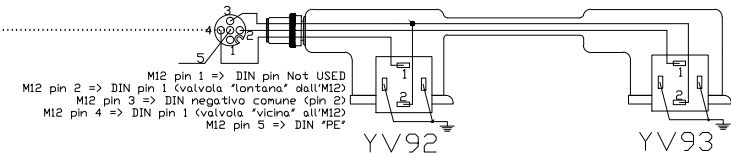
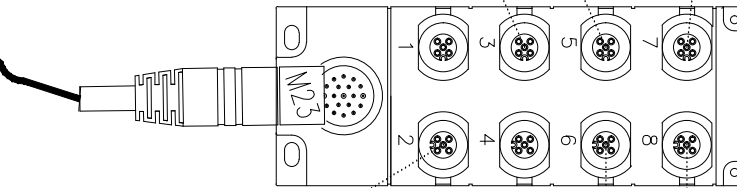


QUESTO DISEGNO E' PROPRIETA' DELLA NOSTRA SOCIETA' CHE TUTELERA' I PROPRI DIRITTI A TERMINI DI LEGGE  
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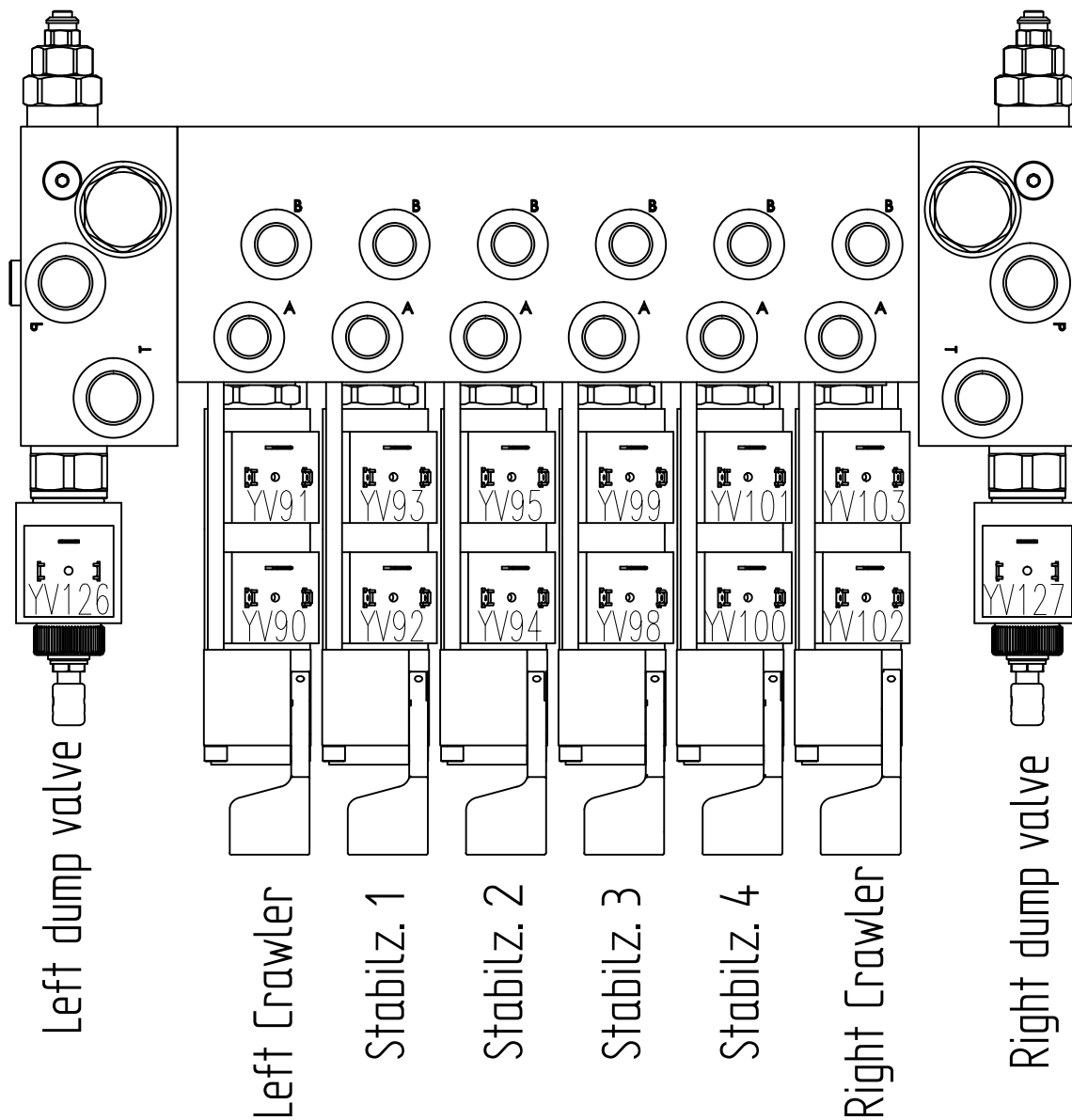
# RACK\_YV

POLO CIABATTA	COLORE FILO	N° INTERNO QUADRO
8	vt	93
7	gy/bn	92
6	bk	91
5	wh/gy	90
4	rd	95
3	ye/bn	94
2	pk	101
1	wh/ye	100
	gy	..
	bn/gn	..
	ye	103
	wh/gn	102
	gn	99
	rd/bu	98
	wh	..
	gy/pk	..
	bn(1mmq)	..
	bu(1mmq)	-
	PE gn/ye(1mmq)	..

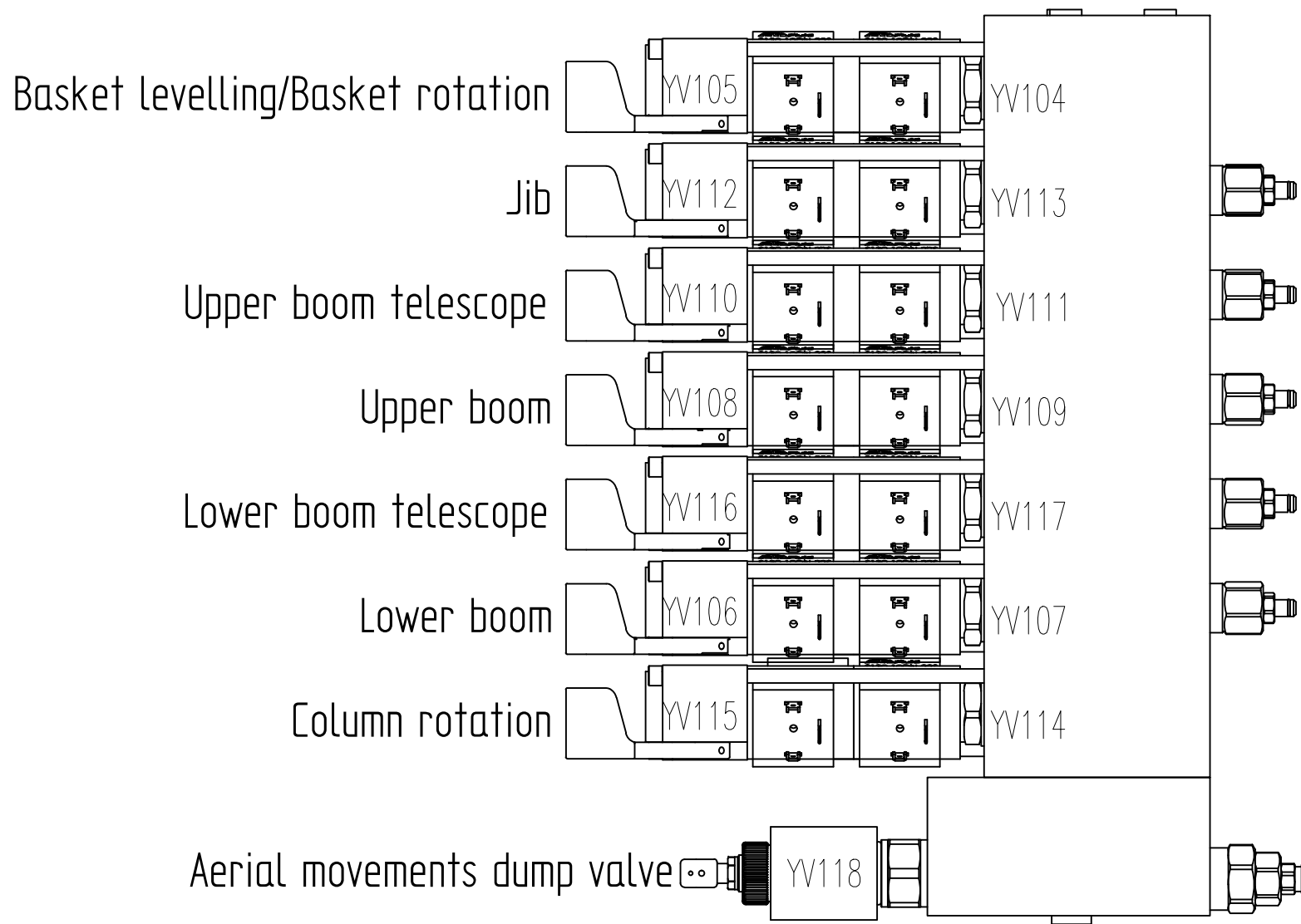


QUESTO DISEGNO E' PROPRIETA' DELLA NOSTRA SOCIETA' CHE TUTELERA' I PROPRI DIRITTI A TERMINI DI LEGGE  
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DISPOSIZIONE ELETTROVALVOLE DISTR. CARRO  
(ELECTROVALVES ON CHASSIS DISTRIBUTOR)



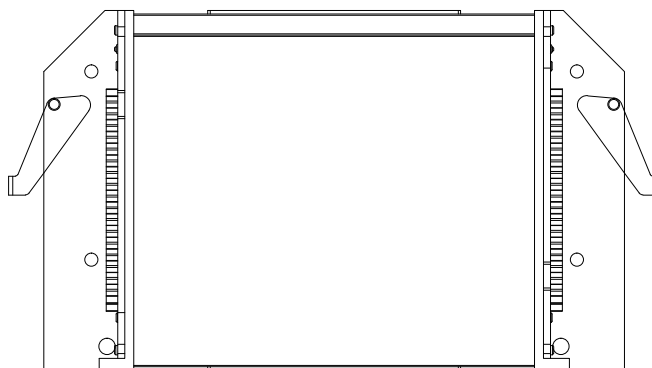
DISPOSIZIONE ELETTROVALVOLE DISTR. COLONNA  
(ELECTROVALVES ON TURRET DISTRIBUTOR)



# CPU PINOUT

## CPU ST SIDE

Pin	WIRE	Pin	WIRE
1	28	29	CAN_L
2	92	30	ISOLARE
3	94	31	ISOLARE
4	98	32	41
5	100	33	122
6	102	34	ISOLARE
7	103	35	ISOLARE
8	90	36	44
9	91	37	-
10	28	38	162A
11	101	39	79
12	99	40	77
13	95	41	124
14	93	42	-
15	56	43	MAMMUTH
16	127	44	ISOLARE
17	125	45	CAN_H
18	118	46	CAN_H
19	28	47	CAN_H
20	-	48	ISOLARE
21	164A	49	ISOLARE
22	78	50	41
23	76	51	ISOLARE
24	123	52	121
25	MAMMUTH	53	ISOLARE
26	ISOLARE	54	ISOLARE
27	CAN_L	55	43
28	CAN_L		



## CPU EX SIDE

Pin	WIRE	Pin	WIRE
1	28	29	65
2	110	30	57
3	111	31	86
4	112	32	28
5	113	33	ISOLARE
6	105	34	ISOLARE
7	104	35	48
8	117	36	+12S
9	116	37	-
10	28	38	35
11	109	39	34
12	108	40	45
13	107	41	53
14	106	42	87
15	115	43	GL
16	114	44	64
17	71	45	85
18	70	46	80
19	28	47	81
20	-	48	82
21	33	49	83
22	32	50	84
23	60	51	41
24	ISOLARE	52	ISOLARE
25	129	53	52
26	59	54	ISOLARE
27	58	55	66
28	128		