FROMM

ELS FS33x FROMM
TURNTABLE STRETCH MACHINE
ONLY FOR CARRIAGE 4
ELS.1064
Version 03/04 machines
Rev02

Print date Monday, 24 February 2015/ servisia/ © 02/15

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MODEL : FROMM FS 33x OP2

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KIND OF CIRCUIT		COLORS CONDUCTORS	MINIMUM SECTION
POWER CONDUCTORS		BLACK	N07V-K/1,5mm²
NEUTRAL CONDUCTORS		LIGHT BLUE	N07V-K/1,5mm²
CONTROLS / SIGNALS ALTERNATING CURRENT	22V AC	RED	N07V-K/0,75mm²
CONTROLS / SIGNALS DIRECTING CURRENT	24V DC	BLUE	N07V-K/0,75mm²
GROUND CONDUCTORS		YELLOW-GREEN	N07V-K/1,5mm²

TENSIONE POWER SUPPLY	230V ac
POTENZA INSTALLATA INSTALLED POWER	1,0kW
CORRENTE CURRENT	5A

FROMM

FROMM ITALIANA s.r.l.
Caprino Veronese (VR)
ITALY

ELS.1064

FOGLIO 1
T.F. 6

FILE ELS.1064.dwg

PROGETTO
BANCA DIS.
TIPICO

REV.	MODIFICA	DATA	FIRMA

DATA 12/06/12
DISEGN. SERVISI A.
VISTO
APPR.

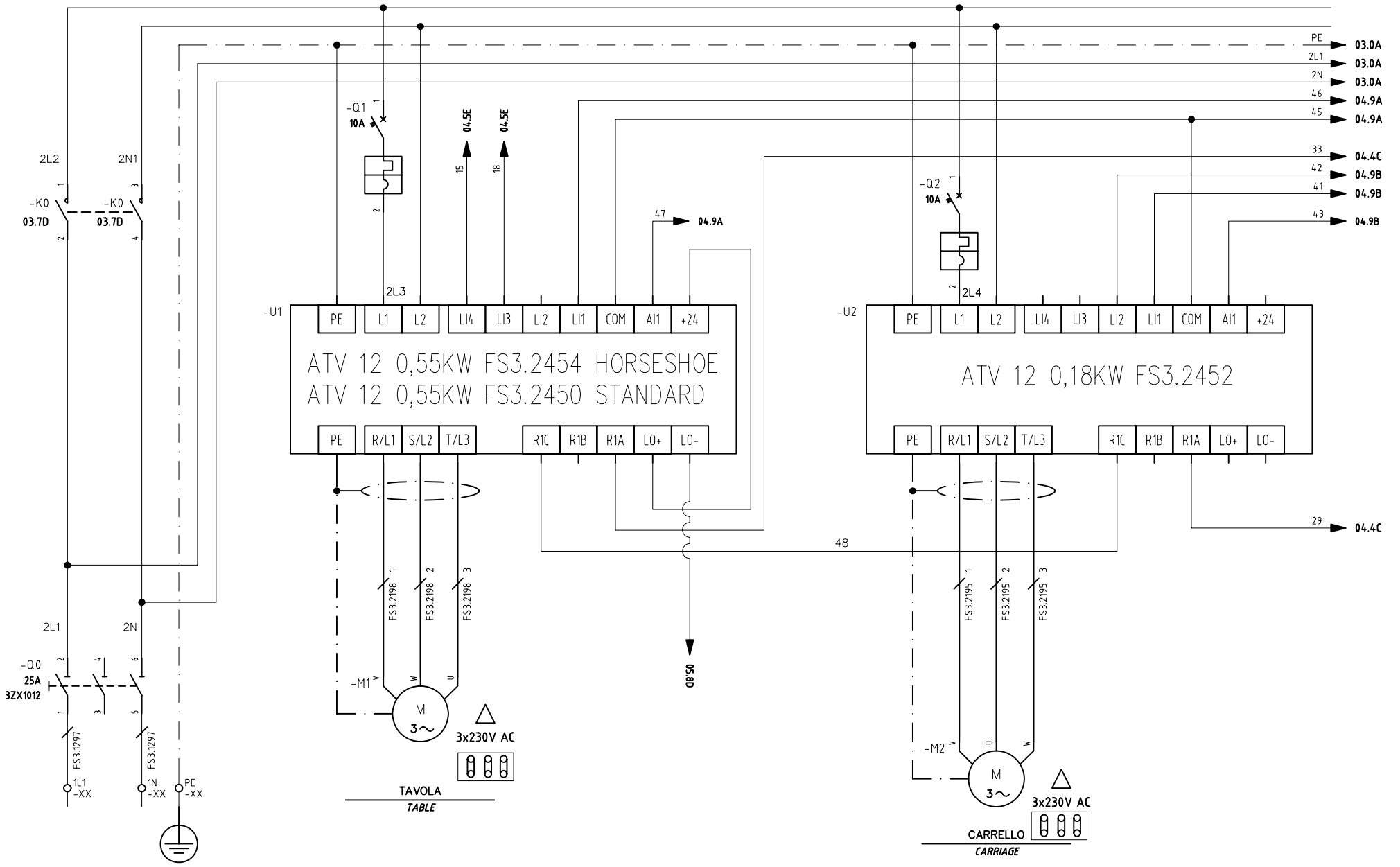
FROMM

SOST. IL :
SOST. DA :
FILE ELS.1064.dwg

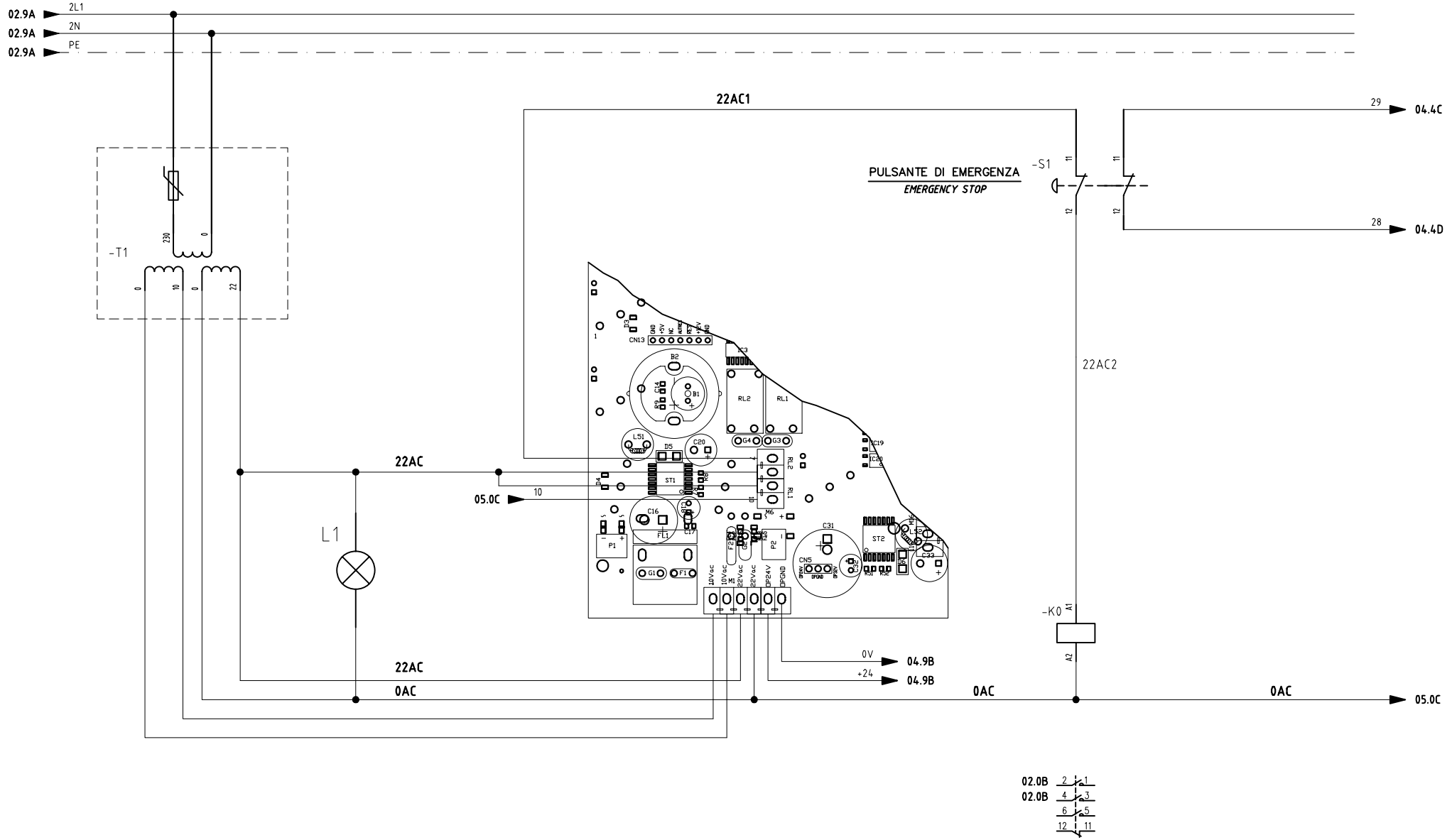
FS33x OP2 (C4)

ELS.1064_Re02

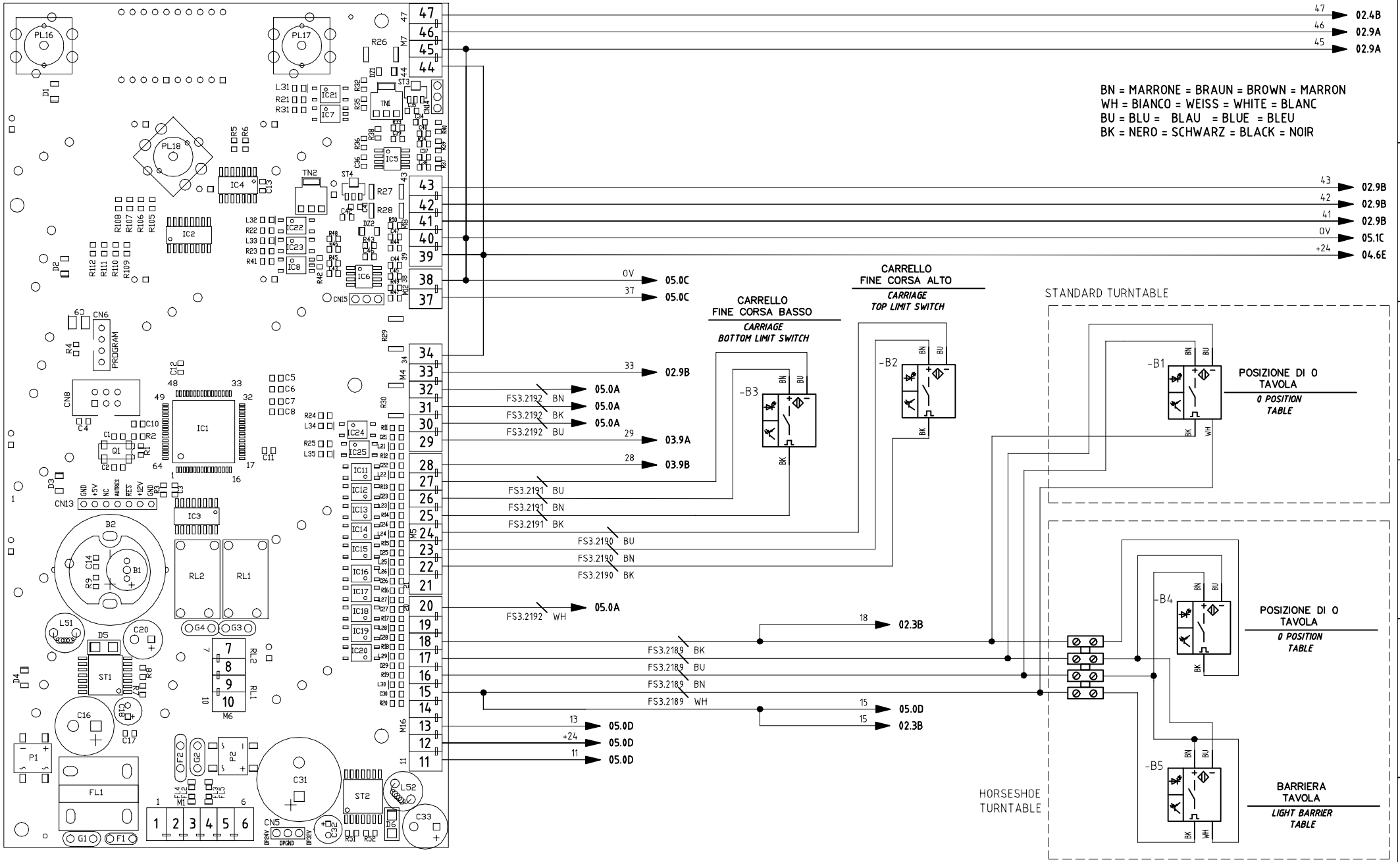
=
+
FG. 01
F.S.02
F.T. 6



				DATA	12/06/12	FROMM		FS33X OP2 (C4)	ELS.1064	=	
				DISEGN.	SERVISI A.					+	
				VISTO						FG. 02	F.S.03
REV.	MODIFICA	DATA	FIRMA	APPR.		SOST. IL :	SOST. DA :	FILE ELS.1064.dwg			F.T. 6



				DATA	12/06/12	FROMM		FS33x OP2 (C4)	ELS.1064	=	
				DISEGN.	SERVISI A.					+	
				VISTO						FG. 03	F.S.04
REV.	MODIFICA	DATA	FIRMA	APPR.		SOST. IL :	SOST. DA :	FILE ELS.1064.dwg			F.T. 6



REV.	MODIFICA	DATA	FIRMA
B	Aggiunta opzione HORSESHOE Turntable	29/10/2014	Scienza

DATA 12/06/12
DISEGN. SERVISI A.
VISTO
APPR.

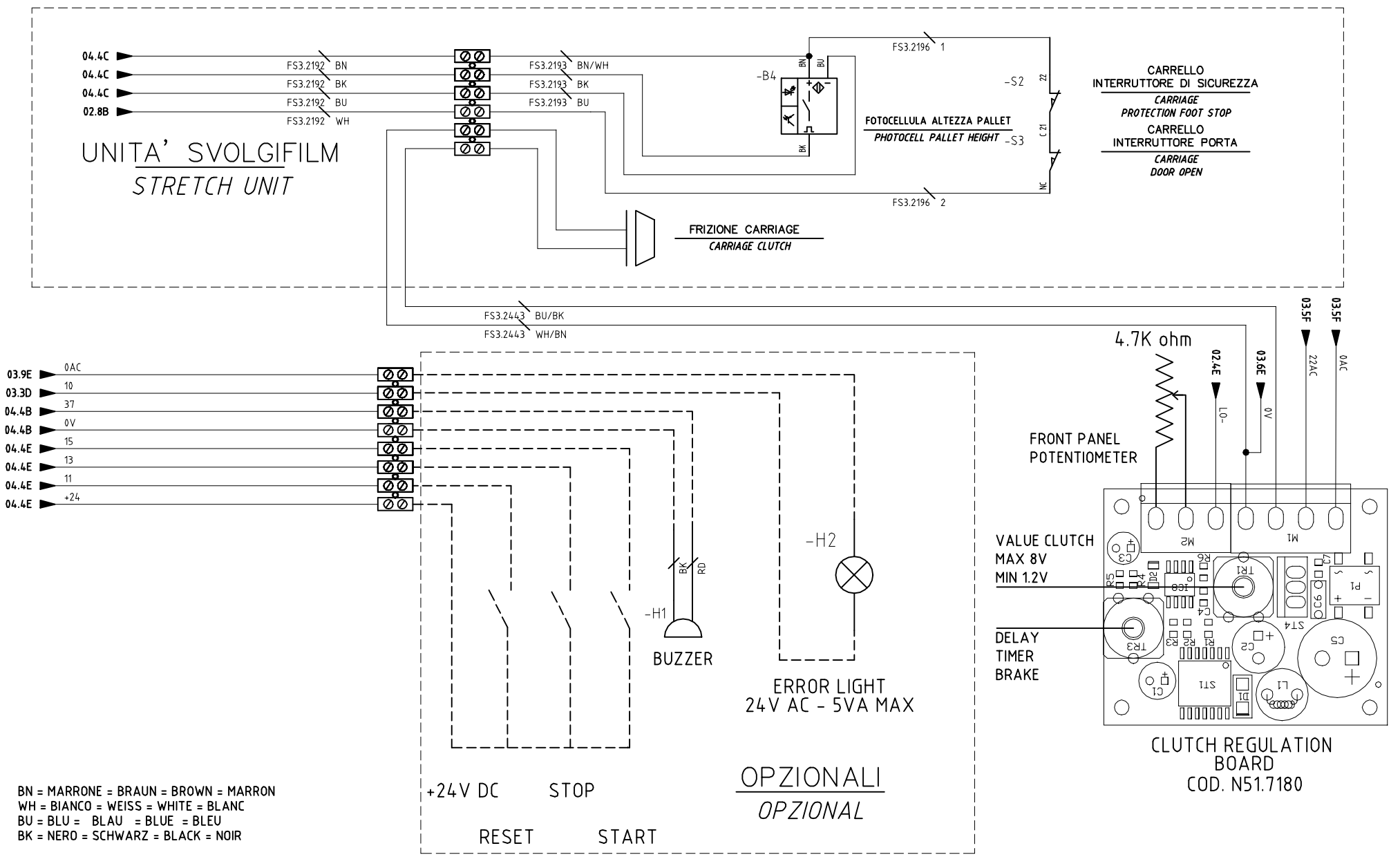
FROMM

SOST. IL :
SOST. DA :
FILE ELS.1064.dwg

FS33x OP2 (C4)

ELS.1064_Rev01

FG. 04 F.S.05
F.T. 6



REV.	MODIFICA	DATA	FIRMA	APPR.		SOST. IL :	SOST. DA :	FILE ELS.1064.dwg
				DISEGN.	SERVISI A.			
				VISTO				
				DATA	12/06/12			

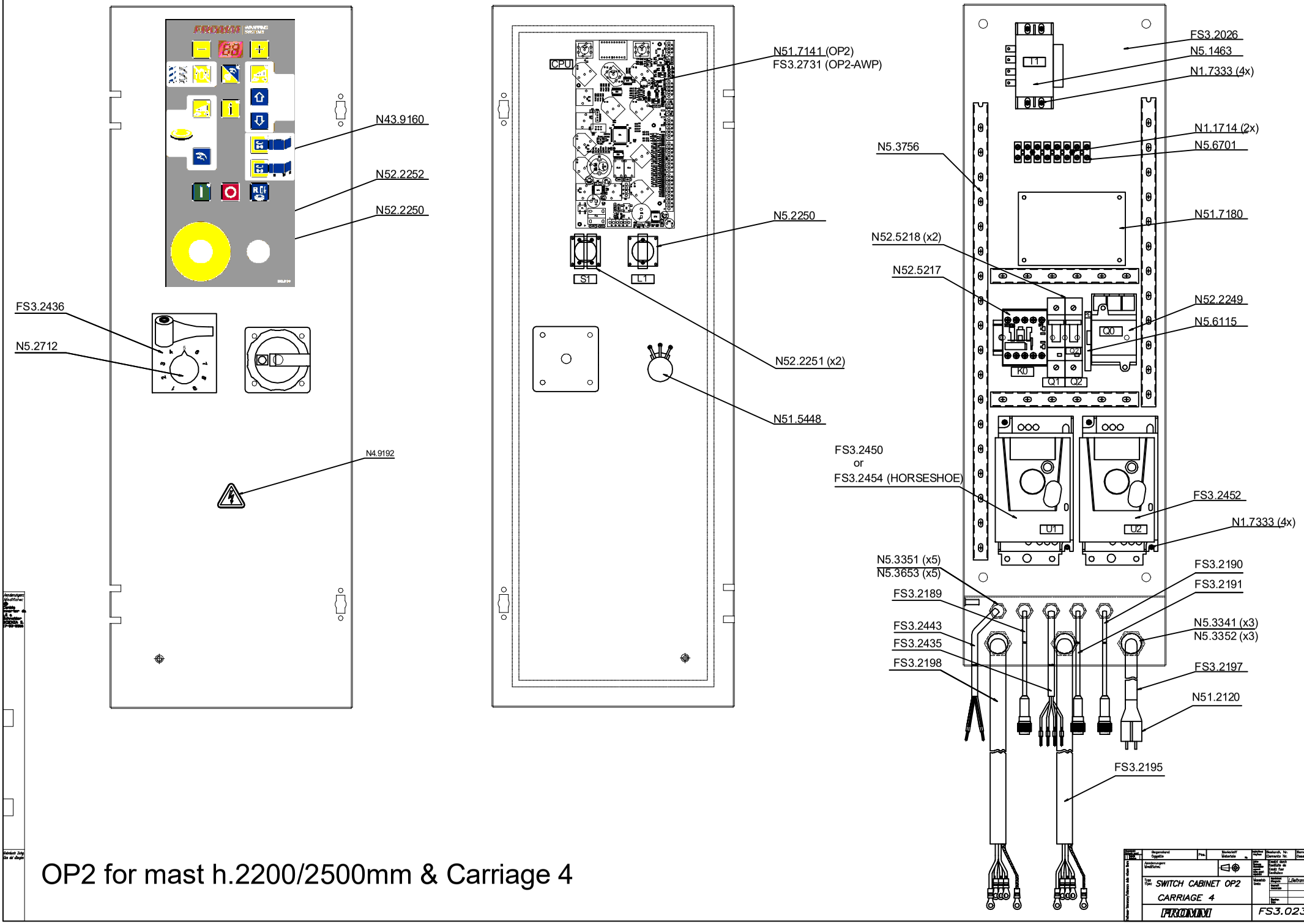
FROMM

FS33x OP2 (C4)

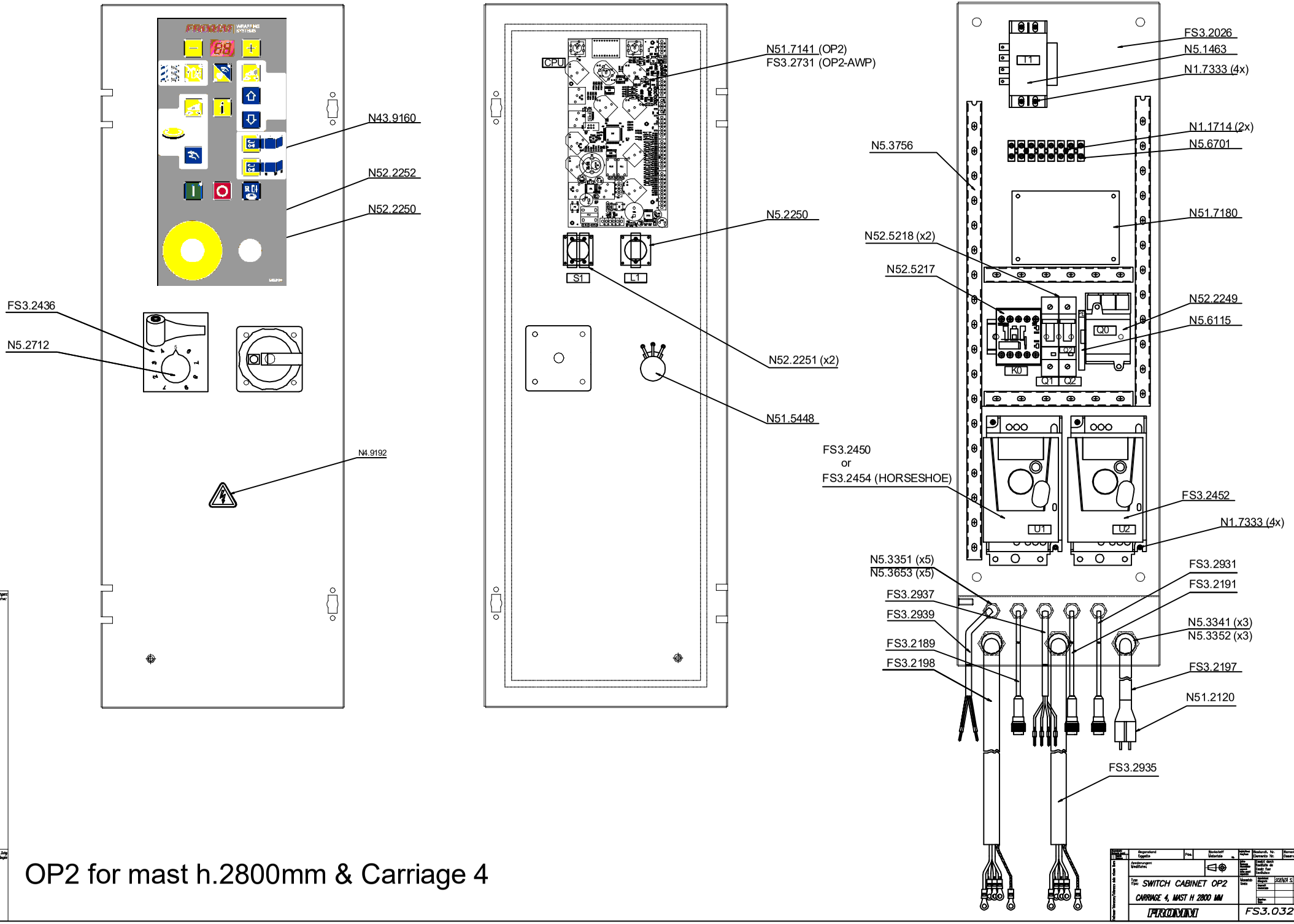
ELS.1064

FG. 05 F.S.06

F.T. 6

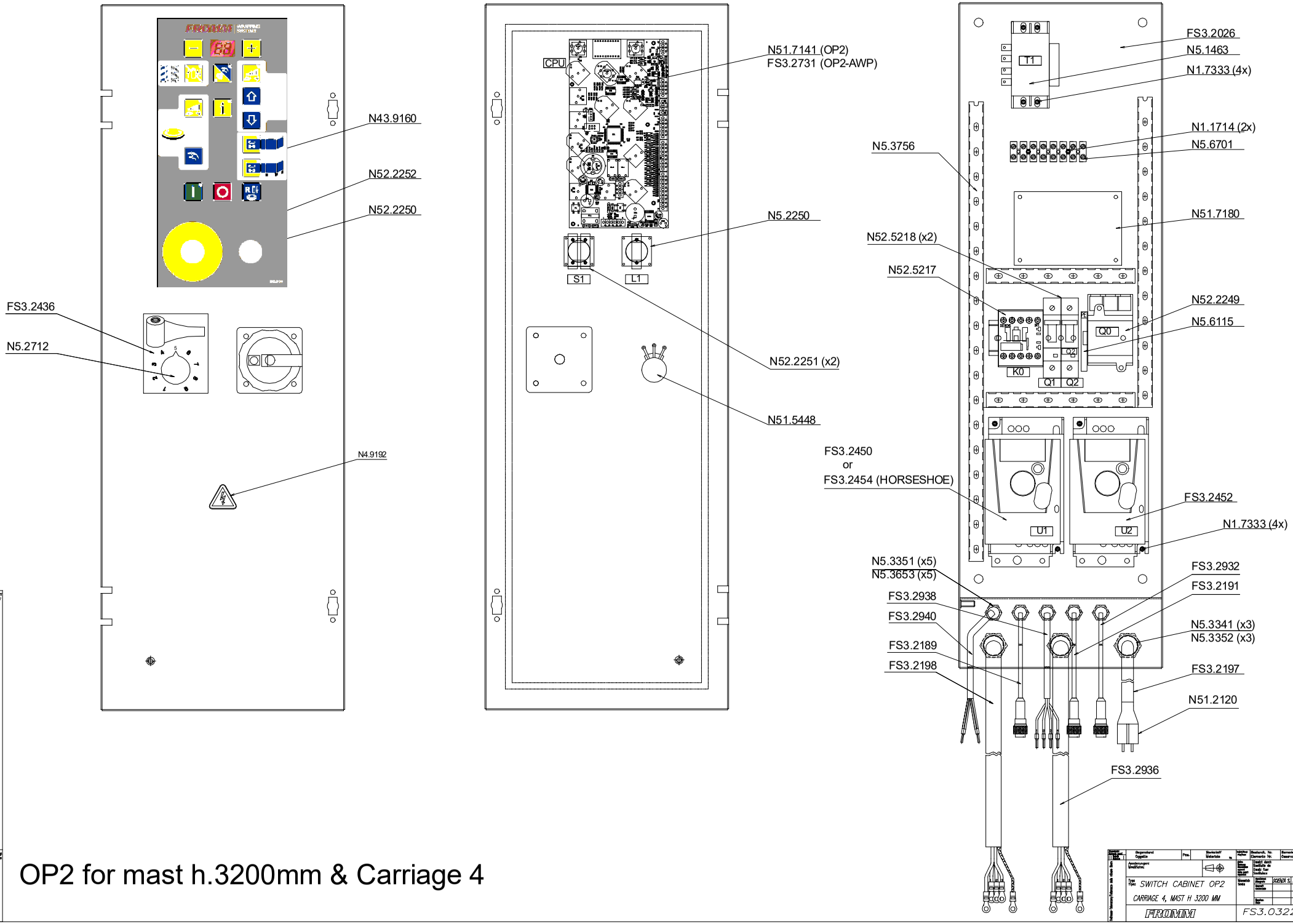


OP2 for mast h.2200/2500mm & Carriage 4



OP2 for mast h.2800mm & Carriage 4

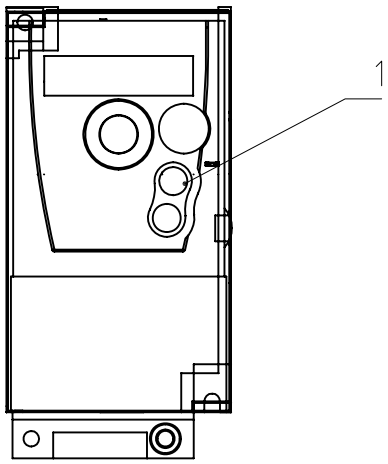
SWITCH CABINET OP2
CARRIAGE 4, MAST H 2800 MM
PROMAT
FS3.0321



OP2 for mast h.3200mm & Carriage 4

SWITCH CABINET OP2
CARRIAGE 4, MAST H 3200 MM
FROMM
FS3.0322

Aenderungen:
Modifiche:



Code	Long label	Current value	Default value
AI1T	Configuration of AI1	Current	5V
CRL1	AI1 minimum value	0.2mA	4mA
LO1	LO1 assignment	Drv running	No
NCR	Nominal motor current	2.8A	2.9A
NSP	Nominal motor speed	1380 rpm	1400 rpm
ACC	Acceleration ramp time	4s	3s
DEC	Deceleration ramp time	3.5s	3s
BRA	Decel ramp adaptation	Hight torq.A	Yes
HSP	Hight speed	60Hz	50Hz

1	INVERTER MONOFASE 0,55kW	1	TELEMECANIQUE		N51.5461	ATV12
Stueckzahl / Numero pezzi	Gegenstand / Oggetto	Pos.	Werkstoff / Materiale kg.	Gewicht/Stueck / Peso/Pezzo	Bestandt. Nr. / Elemento Nr.	Bemerkungen / Osservazioni

Gebrauch Zchg. / Uso del disegno

Rubrik / Rubrica

Aenderungen: / Modifiche: (a)

Keine Nessuna Stueckliste separat / Lista pezzi separata

Ersetzt durch / Sostituito da / Ersatz fuer / Sostituisce

Typ: / Tipo: INVERTER TAVOLA FS100 / FS300

FS300 C4 (OP2)

Massstab / Scala 1:1

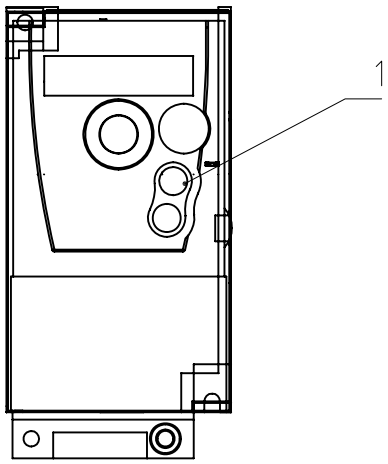
Gezeichnet / Disegnato	Servisi	12-06-12
Geprueft / Controllato		
Gesehen / Visto		

Freimass-Toleranzen/Tolleranze della misure libere

FROMM

FS3.2450

Aenderungen:
Modifiche:



Code	Long label	Current value	Default value
AI1T	Configuration of AI1	Current	5V
CRL1	AI1 minimum value	0.2mA	4mA
LO1	LO1 assignment	Drv running	No
NCR	Nominal motor current	2.8A	2.9A
NSP	Nominal motor speed	1380 rpm	1400 rpm
ACC	Acceleration ramp time	4s	3s
DEC	Deceleration ramp time	3.5s	3s
RPS	Ramp switching input	LI3 hight	No
AC2	Acceleration 2 ramp time	4s	5s
DE2	Deceleration 2 ramp time	0.6s	5s
BRA	Decel ramp adaptation	Hight torq.A	Yes
FST	Fast stop input assign.	LI4 low	No
HSP	Hight speed	60Hz	50Hz

1	INVERTER MONOFASE 0,55kW	1	TELEMECANIQUE		N51.5461	ATV12
Stueckzahl Numero pezzi / Rubrik Rubrica	Gegenstand Oggetto	Pos.	Werkstoff Materiale kg.	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni

Gebrauch Zchg. Uso del disegno

Freimass-Toleranzen/Tolleranze della misure libere

Aenderungen:
Modifiche: (a)

Keine Nessuna Stueckliste separat Lista pezzi separata

Ersetzt durch Sostituito da Ersatz fuer Sostituisce

Typ:
Tipo: INVERTER TAVOLA FS300 HORSESHOE OP2

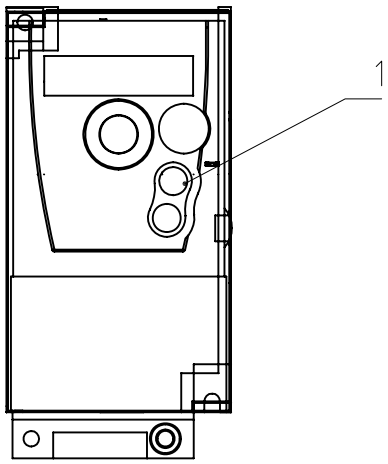
Massstab Scala 1:1

Gezeichnet Disegnato	Servisi	12-06-12
Geprueft Controllato		
Gesehen Visto		

FROMM

FS3.2454

Aenderungen:
Modifiche:



Code	Long label	Current value	Default value
AI1T	Configuration of AI1	Current	5V
CRL1	AI1 minimum value	0.3mA	4mA
ACC	Acceleration ramp time	0.1s	3s
DEC	Deceleration ramp time	0.1s	3s
BRA	Decel ramp adaptation	Hight torq.A	Yes
RRS	Reverse input assigne.	LI2 hight	No
HSP	Hight speed	60Hz	50Hz

1	INVERTER MONOFASE 0,18kW	1	TELEMECANIQUE		N51.5459	ATV12
Stueckzahl Numero pezzi / Rubrik Rubrica	Gegenstand Oggetto	Pos.	Werkstoff Materiale kg.	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni

Gebrauch Zchg. Uso del disegno

Freimass-Toleranzen/Tolleranze della misure libere

Aenderungen: Modifiche: (a)

Keine Nessuna Stueckliste separat Lista pezzi separata

Ersetzt durch Sostituito da Ersatz fuer Sostituisce

Typ: Tipo: INVERTER CARRELLO (OP2)

FS100/FS300

Massstab Scala 1:1

Gezeichnet Disegnato	Servisi	12-06-12
Geprueft Controllato		
Gesehen Visto		

FROMM

FS3.2452