

***FROMM***

**ELS FS33x (-25°) FROMM  
TURNTABLE STRETCH MACHINE  
ELS.1051  
Version 01/02 machines**

Print date Monday, 05 July 2010/ servisia/ © 07/10



# MODEL : FROMM FS 33x OP2

Copy of this document, and giving it to other and the use or communication liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design.

PROGETTO  
BANCA DIS.  
TIPICO

KIND OF CIRCUIT	COLORS CONDUCTORS	MINIMUM SECTION	F			
			DATA	30/11/09	FILE ELS.1051.dwg	FOGLIO
POWER CONDUCTORS	BLACK	N07V-K/1,5mm <sup>2</sup>				
NEUTRAL CONDUCTORS	LIGHT BLUE	N07V-K/1,5mm <sup>2</sup>				
CONTROLS / SIGNALS ALTERNATING CURRENT	RED	N07V-K/0,75mm <sup>2</sup>	22V AC			
CONTROLS / SIGNALS DIRECTING CURRENT	BLUE	N07V-K/0,75mm <sup>2</sup>	24V DC			
GROUND CONDUCTORS	YELLOW-GREEN	N07V-K/1,5mm <sup>2</sup>				
<b>FROMMM</b>						

TENSIONE POWER SUPPLY	230V ac
POTENZA INSTALLATA INSTALLED POWER	1,0kW
CORRENTE CURRENT	5A
FROMM ITALIANA s.r.l. Caprino Veronese (VR) ITALY	
ELS.1051	

# FROMMM

REV.	MODIFICA	DATA	FIRMA	APPR.	SOST. IL :	3	SOST. DA :	4	FILE ELS.1051.dwg	5	FS33x OP2 (-25°C)	ELS.1051	FC. 01	F.S.02	F.T. 6	9

# FROMMM

FILE ELS.1051.dwg

ELS.1051

FS33x OP2 (-25°C)

FILE ELS.1051.dwg

SOST. IL : 3 SOST. DA : 4

DATA 30/11/09  
DISEGN Servisi  
VISTO  
APPR.

DATA

FIRMA

APPR.

REV.

MODIFICA

DATA

FIRMA

APPR.

SOST. IL :

SOST. DA :

FILE ELS.1051.dwg

FS33x OP2 (-25°C)

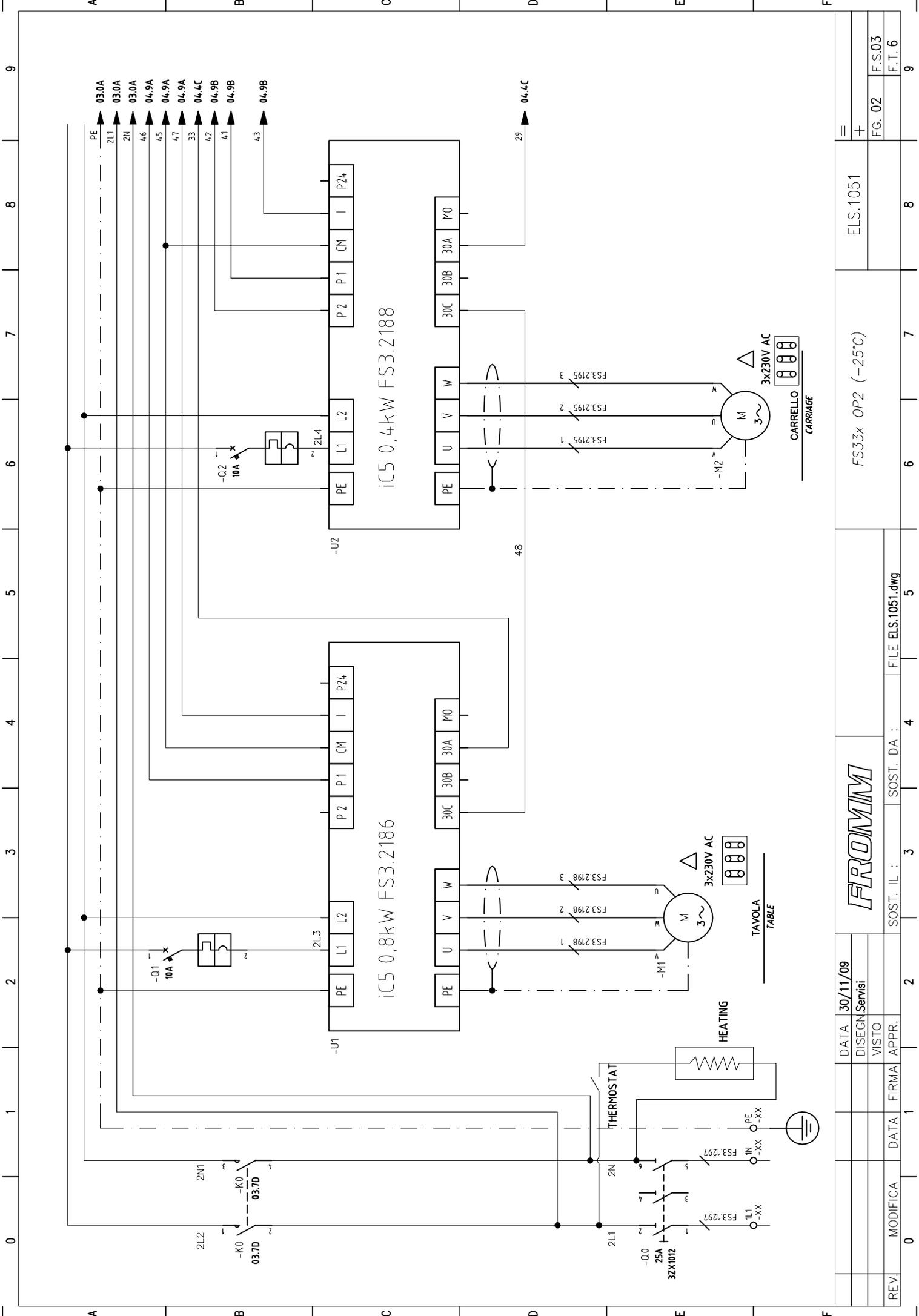
ELS.1051

FC. 01

F.S.02

F.T. 6

9



**FROMMM**

DATA 30/11/09  
 DISEGN Servisi

REVISIONI  
 MODIFICA DATA FIRMA APPR.

FS33x OP2 (-25°C)

ELS.1051

SOST. IL : FILE ELS.1051.dwg

SOST. DA :

SOST. IL : 3

SOST. DA : 4

DATA 30/11/09

DISEGN Servisi

VISTO

APPR.

FC. 02 F.S.03  
 F.T. 6

ELS.1051

FS33x OP2 (-25°C)

SOST. IL : FILE ELS.1051.dwg

SOST. DA :

SOST. IL : 3

SOST. DA : 4

DATA 30/11/09

DISEGN Servisi

VISTO

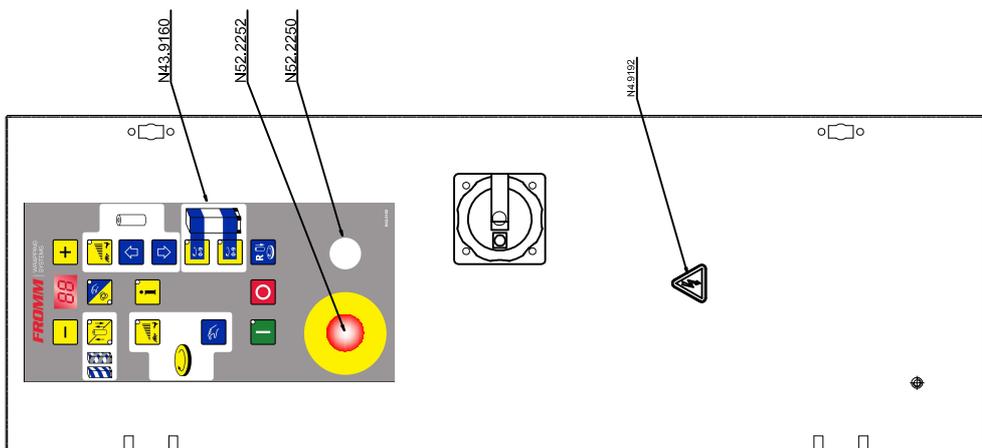
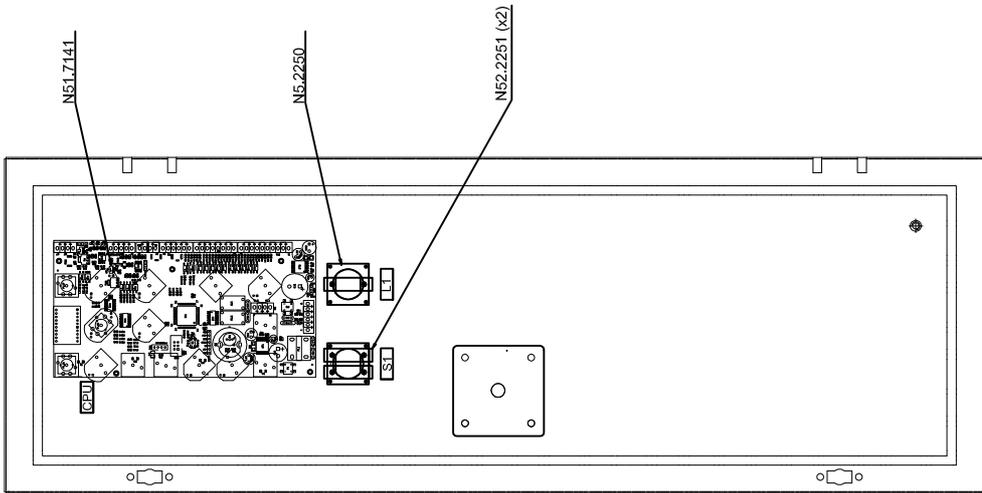
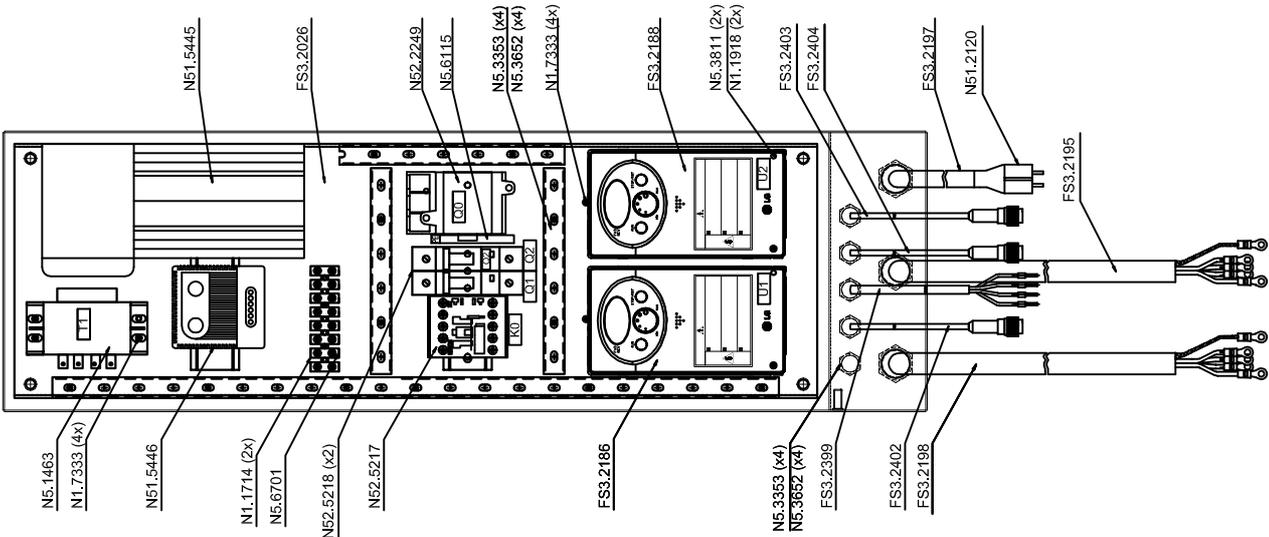
APPR.

FC. 02 F.S.03  
 F.T. 6





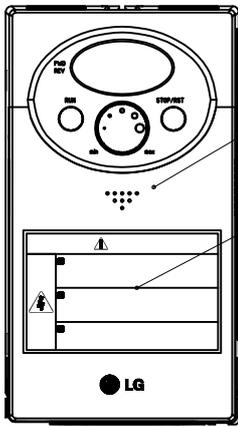




FROMM		SWITCH CABINET OP2 (-25°C)		FS3.0227	
Part No.	1000000000	Part No.	1000000000	Part No.	1000000000
Rev.	1.0	Rev.	1.0	Rev.	1.0
Issue Date	13/07/08	Issue Date	13/07/08	Issue Date	13/07/08
Author		Author		Author	
Checked		Checked		Checked	
Approved		Approved		Approved	
Drawn		Drawn		Drawn	
Scale		Scale		Scale	
Material		Material		Material	
Quantity		Quantity		Quantity	
Unit		Unit		Unit	
Notes		Notes		Notes	

Aenderungen:  
Modifiche:

Aggiunti nuovi parametri diversi dal default (F4-F8-F9-F10-F11)



1  
2 PARAMETER LIST

iC5 - 0.8kW - 230V - TAVOLA OP2 - 24/10/2008 - 14.54.13

-----[DRV]-----

Acc	4.0	sec	Acceleration time 0
Dec	4.0	sec	Deceleration time 0
Frq	4		Freq. Setting mode

-----[FU1]-----

F4	1		Stop via DC brake
F8	8.5	Hz	DC brake start frequency
F9	0	sec	DC brake wait time
F10	80	%	DC brake woltage
F11	0.5	sec	DC brake time
F14	0.1	sec	Motor Magnetizing time
F22	50.00	Hz	Base Frequency
F23	0.10	Hz	Start Frequency
F27	1		Man/Auto Torque select

-----[FU2]-----

H33	2.7	A	Motor rated current
H34	1.4	A	No load motor current
H40	3		Control mode
H46	50		Sensorless I Gain

-----[IO]-----

I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

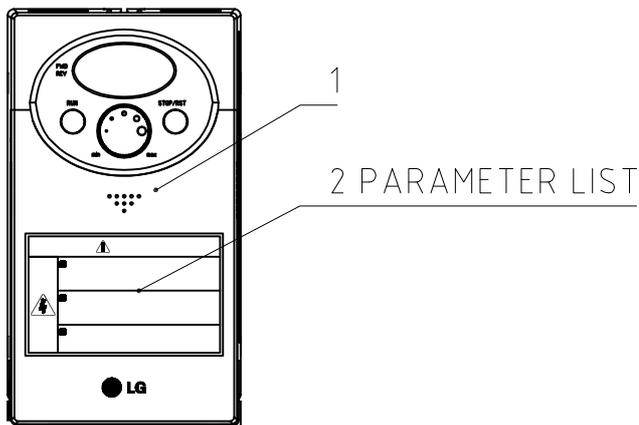
1	FILE DI PROGRAMMAZIONE	2	PARAMETER LIST			
	INVERTER TABLE OP2	1	LS INDUSTRIAL SYSTEMS		N5.5475	SV08-iC5-1F

Gebrauch Zchg.  
Usa del disegno

Freimass-Toleranzen/tolleranze della misure libere	Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni
	Rubrik Rubrica	Aenderungen: Modifiche:   ⓐ			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
	Typ: Tipo:	INVERTER MOTOR TABLE OP2			Massstab Scala 1:1	Gezeichnet Disegnato VICENTINI	28-10-2008
	<b>FROMMM</b>				<b>FS3.2186</b>		

Geprueft Controllato	Servisi	23-11-09
Gesehen Visto		

Aenderungen:  
 Modifiche:  
 ⓐ  
 Modificato  
 scritta  
 da 0.8Kw  
 a 0.4Kw



iC5 - 0.4kW - 230V - Carriage OP2 - 25/02/2009 - 14.53.50

-----[DRV]-----

Acc	0.1	sec	Acceleration time 0
Dec	0.1	sec	Deceleration time 0
Frq	4		Freq. Setting mode

-----[FU1]-----

F14	0.1	sec	Motor Magnetizing time
F22	50.00	Hz	Base Frequency
F23	0.10	Hz	Start Frequency

-----[FU2]-----

H33	1.3	A	Motor rated current
H34	0.8	A	No load motor current
H40	3		Control mode

-----[IO]-----

I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

1	FILE DI PROGRAMMAZIONE	2	PARAMETER LIST			
	INVERTER CARRIAGE OP2	1	LS INDUSTRIAL SYSTEMS		N51.5427	SV04-iC5-1F

Gebrauch Zchg. Usa del disegno	Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni
	Rubrik Rubrica			kg.			

Freimass-Toleranzen/Tolleranze della misure libere	Aenderungen: Modifiche: ⓐ				Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce		
	Typ: Tipo:				Massstab Scala  1:1	Gezeichnet Disegnato	VICENTINI	28-10-2008
	INVERTER MOTOR CARRIAGE OP2					Geprueft Controllato	Servisi	23-11-09
					<b>FROMMM</b>			
				<b>FS3.2188</b>				