

Inverters & Parameters

A			
Code Inverter with Parameters	Code Inverter without Parameters		Normalized code for all our FS machine with correct Parameters, see code in the column A.
FS290			Stock = (N5.5470 - Omron 0.55 Kw)
FS2.1395	(N5.5470 - Omron 0.55 Kw)		
FS270			
FS2.1394	(N5.5470 - Omron 0.55 Kw)		
FS250			
FS2.1393	(N5.5470 - Omron 0.55 Kw)		
FS230 V02-V03			
FS2.1389	(N5.5470 - Omron 0.55 Kw)		
FS230 V04-V05-V06			Stock = (N5.5475 - LG 0.75 Kw)
FS2.1388	(N5.5475 - LG 0.75 Kw)	(N5.5475 - LG 0.75 Kw)	
FS31x V01-V02			Stock = (N5.5475 - LG 0.75 Kw)
FS3.2185	(Inverter motor table OP1) (N5.5475 - LG 0.75 Kw)		
	(Inverter motor table OP1 -25°C)		
FS3.2442	(Inverter motor table OP1) (N5.5475 - LG 0.75 Kw)	(N5.5475 - LG 0.75 Kw)	
	Only for carriage 4		
FS3.2187	(Inverter motor carriage OP1) (N51.5427 - LG 0.4 Kw)		
	(Inverter motor carriage OP1 -25°C)		
FS33x V01-V02			Stock = (N5.5475 - LG 0.75 Kw)
FS3.2186	(Inverter motor table OP2) (N5.5475 - LG 0.75 Kw)		
	(Inverter motor table OP2 -25°C)		
FS3.2444	(Inverter motor table OP2) (N5.5475 - LG 0.75 Kw)	(N5.5475 - LG 0.75 Kw)	
	Only for carriage 4		
FS3.2188	(Inverter motor carriage OP2) (N51.5427 - LG 0.4 Kw)		
	(Inverter motor carriage OP2 -25°C)		
FS31x V03			Stock = (N51.5461 - Teleme./ATV 0.55 Kw)
FS3.2449	(Inverter motor table OP1) (N51.5461 - Teleme./ATV 0.55 Kw)		
	(Inverter motor table OP1 -25°C)		
FS3.2453	(Inverter motor table OP1) (N51.5461 - Teleme./ATV 0.55 Kw)	(N51.5461 - Teleme./ATV 0.55 Kw)	
	Only for horseshoe		
FS3.2451	(Inverter motor carriage OP1) (N51.5459 - Teleme./ATV 0.18 Kw)		
	(Inverter motor carriage OP1 -25°C)		
FS33x V03			Stock = (N51.5461 - Teleme./ATV 0.55 Kw)
FS3.2450	(Inverter motor table OP2) (N51.5461 - Teleme./ATV 0.55 Kw)		
	(Inverter motor table OP2 -25°C)		
FS3.2454	(Inverter motor table OP2) (N51.5461 - Teleme./ATV 0.55 Kw)	(N51.5461 - Teleme./ATV 0.55 Kw)	
	Only for horseshoe		
FS3.2452	(Inverter motor carriage OP2) (N51.5459 - Teleme./ATV 0.18 Kw)		
	(Inverter motor carriage OP2 -25°C)		

Inverters & Parameters

A	Code Inverter with Parameters	Code Inverter without Parameters	Normalized code for all our FS machine with correct Parameters, see code in the column A.
FS11x V01	FS3.2185 (Inverter motor table OP1)	(N5.5475 - LG 0.75 Kw)	Stock = (N5.5475 - LG 0.75 Kw)
		(N5.5475 - LG 0.75 Kw)	
	FS3.2187 (Inverter motor carriage OP1)	(N51.5427 - LG 0.4 Kw)	Stock = (N5.5475 - LG 0.75 Kw)
FS13x V01 (until S/N 02.00011)	FS3.2186 (Inverter motor table OP2)	(N5.5475 - LG 0.75 Kw)	Stock = (N5.5475 - LG 0.75 Kw)
		(N5.5475 - LG 0.75 Kw)	
	FS3.2188 (Inverter motor carriage OP2)	(N51.5427 - LG 0.4 Kw)	Stock = (N5.5475 - LG 0.75 Kw)
FS11x V03	FS3.2449 (Inverter motor table OP1)	(N51.5461 - Teleme./ATV 0.55 Kw)	Stock = (N51.5461 - Teleme./ATV 0.55 Kw)
		(N51.5461 - Teleme./ATV 0.55 Kw)	
	FS3.2451 (Inverter motor carriage OP1)	(N51.5459 - Teleme./ATV 0.18 Kw)	Stock = (N51.5461 - Teleme./ATV 0.55 Kw)
FS13x V03 (from S/N 02.00013)	FS3.2450 (Inverter motor table OP2)	(N51.5461 - Teleme./ATV 0.55 Kw)	Stock = (N51.5461 - Teleme./ATV 0.55 Kw)
		(N51.5461 - Teleme./ATV 0.55 Kw)	
	FS3.2452 (Inverter motor carriage OP2)	(N51.5459 - Teleme./ATV 0.18 Kw)	Stock = (N51.5461 - Teleme./ATV 0.55 Kw)
FS4xx V01-V02-V03-V05	FS4.1244 (U1 - Inverter motor carriage)	(N51.5442 - Teleme./ATV 0.4 Kw)	Stock = (N51.5456 - Teleme./ATV 0.75 Kw)
	FS4.1245 (U3 - Inverter motor table)	(N51.5456 - Teleme./ATV 0.75 Kw)	
		(N51.5456 - Teleme./ATV 0.75 Kw)	Stock = (N51.5456 - Teleme./ATV 0.75 Kw)
	FS4.1246 (U2/U4 - Inverter motor film)	(N51.5442 - Teleme./ATV 0.4 Kw)	
FS4xx V04	FS4.1594 (U1 - Inverter motor carriage)	(N51.5427 - LG 0.4 Kw)	Stock = (N5.5475 - LG 0.75 Kw)
		(N5.5475 - LG 0.75 Kw)	
	FS4.1592 (U3 - Inverter motor table)	(N5.5475 - LG 0.75 Kw)	Stock = (N5.5475 - LG 0.75 Kw)
	FS4.1246 (U2/U4 - Inverter motor film)	(N51.5442 - Teleme./ATV 0.4 Kw)	Stock = (N51.5442 - Teleme./ATV 0.4 Kw)
FS390 V01	FS7.1342 (Inverter Turntable)		
	FS7.1343 (Inverter Carriage/Top press)		
	FS7.1344 (Inverter Feed)		
	FS7.1345 (Inverter Brake)		

PAREMETRI INVERTER OMRON N5.5470 PER FS250-270-290

INVERTER ROTAZIONE (FS2.1393)		INVERTER CARRELLO (FS3.1394)		INVERTER PRESTIRO (FS2.1395)	
FUNZIONE	VALORE IMPOSTATO	F --	FUNZIONE	F --	VALORE IMPOSTATO
n01	Inizializzazione	n01	Inizializzazione	n01	Inizializzazione
n02	Selezione del comando di run	n02	Selezione del comando di run	n02	Selezione del comando di run
n03	Selezione della frequenza di riferimento	n03	Selezione della frequenza di riferimento	n03	Selezione della frequenza di riferimento
n09	Frequenza massima di uscita	n09	Frequenza massima di uscita	n09	Frequenza massima di uscita
n10	Tensione massima	n10	Tensione massima	n10	Tensione massima
n16	Tempo di accelerazione 1	n16	Tempo di accelerazione 1	n16	Tempo di accelerazione 1
n17	Tempo di decelerazione 1	n17	Tempo di decelerazione 1	n17	Tempo di decelerazione 1
n30	Limite superiore della frequenza	n30	Limite superiore della frequenza	n30	Limite superiore della frequenza
n31	Limite inferiore della frequenza	n31	Limite inferiore della frequenza	n31	Limite inferiore della frequenza
n32	Corrente di targa motore				
n40	Impostazione uscita multifunzione	n40	Impostazione uscita multifunzione	n40	Impostazione uscita multifunzione
				n42	Offset per riferimento frequenza

PROCEDURA INIZIALE PER DIMINUIRE LA SOGLIA D'INTERVENTO CON L'ALLARME Uu1:

- n01 = 15
- n97 = 12
- n01 = 20
- n01 = 12

* Nel caso di piatti di diametro 2200mm o maggiori impostare N17=6.0

Parameters Turntable /Carriage FS230 Art. 30.1504
(for inverter N5.5470) FS2.1389

N 1	1	N	41	100
N 2	1	N	42	0
N 3	2	N	43	0.1
N 4	0	N	44	0
N 5	0	N	45	1
N 6	0	N	46	9
N 7	0	N	47	0
N 8	0	N	48	0
N 9	50	N	49	0
N 10	220	N	50	0
N 11	50	N	51	0
N 12	1.3	N	52	50
N 13	12	N	53	0.5
N 14	1.3	N	54	0
N 15	12	N	55	0
N 16	4	N	56	170
N 17	0.1	N	57	160
N 18	10	N	58	0
N 19	10	N	59	0
N 20	0	N	60	160
N 21	10	N	61	0.1
N 22	10	N	62	0
N 23	10	N	63	1
N 24	10	N	64	2.9
N 25	10	N	65	62
N 26	10	N	66	0
N 27	10	N	67	2
N 28	10	N	68	0
N 29	10	N	69	0
N 30	100	N	70	0
N 31	20	N	71	2
N 32	3	N	72	0
N 33	0	N	73	10
N 34	8	N	74	0
N 35	0	N	75	0
N 36	2	N	76	R.D.I.
N 37	5	N	77	0
N 38	3	N	78	---
N 39	6	N	79	20
N 40	0	N	80	

Parameters Turntable /Carriage FS230
(for inverter N5.5475) FS2.1388

H 93	1
Acc.	4,
Dec.	2.0,
Fr 9	3,
F 4	2,
F 21	50,
F 22	50,
F 23	1,
F 24	1,
F 26	10
F 27	0,
F 28	15,
F 29	15,

If you want change maximum speed:

under 50 hz:

(F21 is 50)

F 25 40 es. 40hz

I 10 40

up 50 hz:

F 21 60 es. 60 hz

F 25 60 es. 60 hz

I 10 60

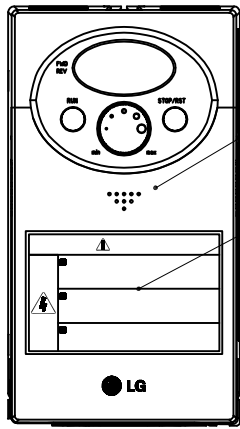
If you want change minimum speed:

F 26 10  10 hz

8  8 hz

Aenderungen:
Modifiche:

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



1

2 PARAMETER LIST

iC5 - 0.8kW - 230V - Table OP1 - 28/10/2008 - 14.53.50

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

Cmd	40.00	Hz	Keypad Frequency
Acc	4.0	sec	Acceleration time 0
Dec	4.0	sec	Deceleration time 0

-----[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 OP1	1	LS INDUSTRIAL SYSTEMS		N5.5475	SV08-iC5-1F

Gebrauch Zchg.
Usò del disegno

Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni
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Freimass-Toleranzen/tolleranze della misure libere

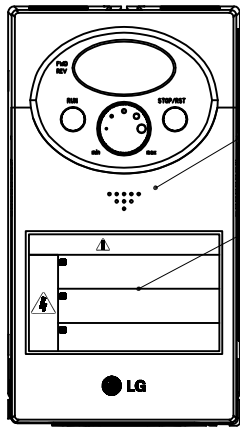
Aenderungen: Modifiche: ⓐ		Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce
Typ: Tipo:		Massstab Scala 1:1	Gezeichnet Disegnato VICENTINI 28-10-2008
			Geprueft Controllato Servisi 23-11-09
			Gesehen Visto

INVERTER MOTOR TABLE OP1

FROMMM

FS3.2185

Aenderungen:
Modifiche:



2 PARAMETER LIST

iC5 - 0.8kW - 230V - TAVOLA OP1U1-CARR4(FS3-2442) - 14/07/2010 - 11.45.55

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

Cmd	4.0.00	Hz	Keypad Frequency
Acc	4.0	sec	Acceleration time 0
Dec	4.0	sec	Deceleration time 0

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

F4	1		Stop mode select
F8	8.50	Hz	DC Brake start frequency
F9	0.0	sec	DC Brake wait time
F10	80	%	DC Brake voltage
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]-----

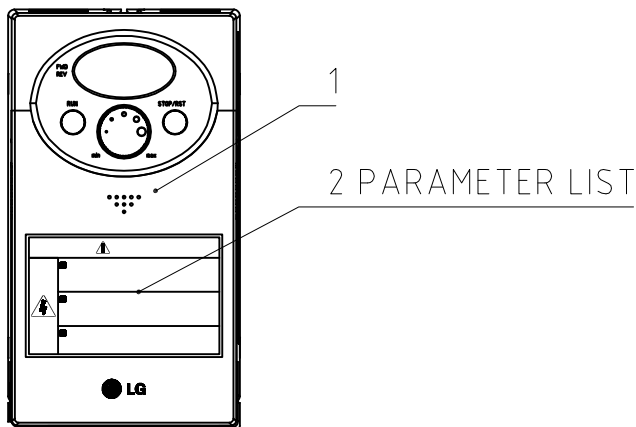
I12	0.00	mA	I input minimum current
I54	16		M0-EXTG outp. Working
I55	12		30-A/B/C output working
I66	3.0	sec	Relay ON delay

1	FILE DI PROGRAMMAZIONE	2	PARAMETER LIST			
	INVERTER TABLE OP1	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 OP1		Massstab Scala	1:1	Gezeichnet Disegnato	VICENTINI 14-07-2010
	FROMMM				FS3.2442		

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



iC5 - 0.4kW - 230V - Carriage OP1 - 25/02/2009 - 14.53.50

-----[DRV]-----
 Acc 0.1 sec Acceleration time 0
 Dec 0.1 sec Deceleration time 0
 Frq 2 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

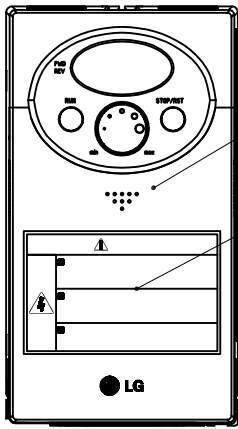
-----[IO]-----
 I3 20.00 Hz Frequency related to I2
 I12 0.00 mA I input minimum current
 I55 16 30-A/B/C output working

1	FILE DI PROGRAMMAZIONE	2	PARAMETER LIST			
	INVERTER CARRIAGE OP1	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	Gezeichnet Disegnato	VICENTINI 28-10-2008
	INVERTER MOTOR CARRIAGE OP1				1:1	Geprueft Controllato	Servisi 23-11-09
						Gesehen Visto	
FROMMM					FS3.2187		

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]-----

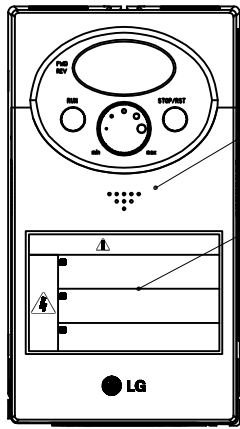
I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

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

Gebrauch Zchg. Usa del disegno	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	Gezeichnet Disegnato	VICENTINI	28-10-2008	
	INVERTER MOTOR TABLE OP2				1:1	Geprueft Controllato	Servisi	23-11-09
					FROMMM		FS3.2186	

Aenderungen:
Modifiche:



1

2 PARAMETER LIST

iC5 - 0.8kW - 230V - TAVOLA OP2U1-CARR4(FS3-2444) - 23/08/2010 - 11.38.22

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

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

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

F4	1		Stop mode select
F8	8.50	Hz	DC Brake start frequency
F9	0.0	sec	DC Brake wait time
F10	80	%	DC Brake voltage
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
I54	16		MO-EXTG outp. Working
I55	12		30-A/B/C output working
I66	3.0	sec	Relay ON delay

1	FILE DI PROGRAMMAZIONE	2	PARAMETER LIST			
	INVERTER TABLE OP2	1	LS INDUSTRIAL SYSTEMS		N5.5475	SV08-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
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Freimass-Toleranzen/Tolleranze della misure libere

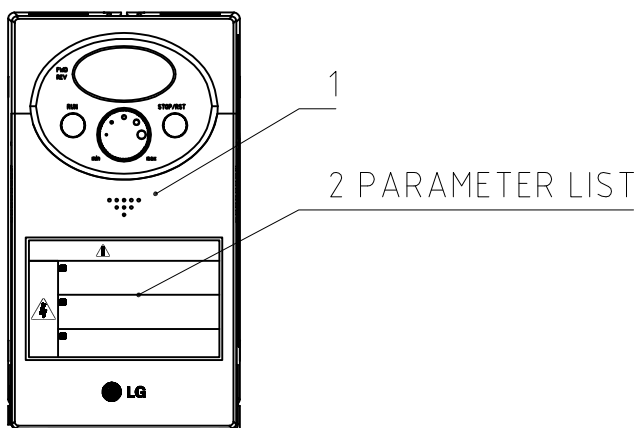
Aenderungen: Modifiche:		Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce
Typ: Tipo:		Massstab Scala	Gezeichnet Disegnato
		1:1	VICENTINI
			14-07-2010
			Geprueft Controllato
			Gesehen Visto

INVERTER MOTOR TABLE OP2

FROMMM

FS3.2444

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]-----

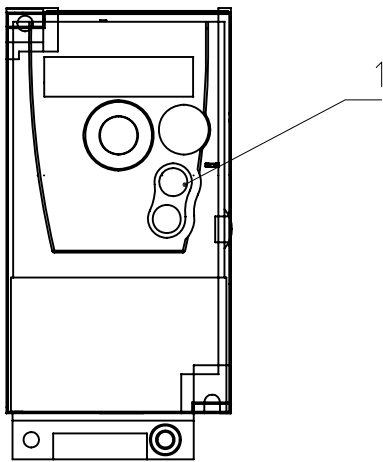
I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

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

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

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
					FROMMM			

Aenderungen:
Modifiche:



Code	Long label	Current value	Default value
L01	L01 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
PS2	2 preset speeds assign.	LI1 hight	No
PS4	4 preset speeds assign.	LI2 hight	No
SP2	Preset speeds 2	40Hz	10Hz
SP4	Preset speeds 4	10Hz	20Hz
HSP	Hight speed	60Hz	50Hz

1	INVERTER MONOFASE 0,55kW	1	TELEMECANIQUE		N51.5461	ATV12
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Gebrauch Zchg. Usò 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		
	Typ: Tipo: <i>INVERTER TAVOLA FS100 / FS300</i> <i>FS300 C4 (OP1)</i>				Massstab Scala 1:1	Gezeichnet Disegnato	<i>Servisi</i>
			Geseuert Controllato				
	FROMMM				<i>FS3.2449</i>		

N51.5461 → FS3.2449

To program inverter it is necesesery to acess and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Simbol “→” means press ENTER to confirm

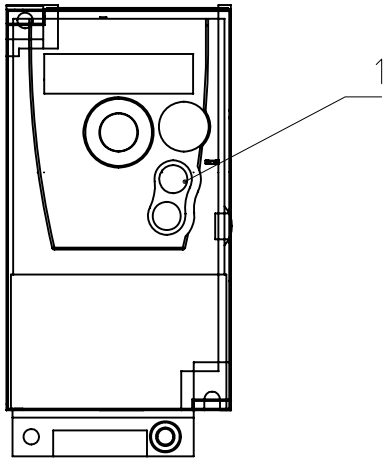
Parameter:	Programming procedure:
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→ FUn→rPt→dEC→3.5→ESC...
BRA	rdY→ConF→FULL→ FUn→rPt→brA→dYnA→ESC...
PS2	rdY→ConF→FULL→ FUn→PSS→PS2→L1H→ESC...
PS4	rdY→ConF→FULL→ FUn→PSS→PS4→L2H→ESC...
SP2	rdY→ConF→FULL→ FUn→PSS→SP2→40→ESC...
SP4	rdY→ConF→FULL→ FUn→PSS→SP4→10→ESC...
HSP	rdY→ConF→FULL→ FUn→SPL→HSP→60→ESC... rdY

Congratulations, your inverter is ready for use!!!

Reset to default settings:

rdY→ConF→FCS→InI→(hold enter pressed for 3 seconds)

Aenderungen:
Modifiche:



Code	Long label	Current value	Default value
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 high	No
AC2	Acceleration 2 ramp time	4s	5s
DE2	Deceleration 2 ramp time	0.6s	5s
BRA	Decel ramp adaptation	High torq.A	Yes
FST	Fast stop input assign.	LI4 low	No
PS2	2 preset speeds assign.	LI1 high	No
PS4	4 preset speeds assign.	LI2 high	No
SP2	Preset speeds 2	40Hz	10Hz
SP4	Preset speeds 4	10Hz	20Hz
LSP	Low speed	10Hz	0Hz
HSP	High speed	60Hz	50Hz

1	INVERTER MONOFASE 0,55kW	1	TELEMECANIQUE		N51.5461	ATV12	
Gebrauch Zchg. Usò del disegno	Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni
	Freimass-Toleranzen/Tolleranze della misure libere	Aenderungen: Modifiche:			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
	Typ: Tipo:	INVERTER TAVOLA FS300 HORSESHOE OP1		Masstab Scala	1:1	Gezeichnet Disegnato	Servisi 12-06-12
		FROMMM				Gepueft Controllato	
						Gesehen Visto	
							FS3.2453

N51.5461 → FS3.2453

To program inverter it is necesesery to acess and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Simbol “→” means press ENTER to confirm

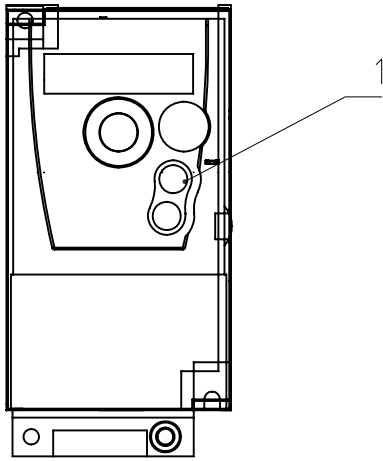
Parameter:	Programming procedure:
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→ FUn→rPt→dEC→3.5→ESC...
RPS	rdY→ConF→FULL→ FUn→rPt→rPS→L3H→ESC...
AC2	rdY→ConF→FULL→ FUn→rPt→AC2→4→ESC...
DE2	rdY→ConF→FULL→ FUn→rPt→dE2→0.6→ESC...
BRA	rdY→ConF→FULL→ FUn→rPt→brA→dYnA→ESC...
FST	rdY→ConF→FULL→ FUn→Stt→FSt→L4L→ESC...
PS2	rdY→ConF→FULL→ FUn→PSS→PS2→L1H→ESC...
PS4	rdY→ConF→FULL→ FUn→PSS→PS4→L2H→ESC...
SP2	rdY→ConF→FULL→ FUn→PSS→SP2→40→ESC...
SP4	rdY→ConF→FULL→ FUn→PSS→SP4→10→ESC...
LSP	rdY→ConF→FULL→ FUn→SPL→LSP→10→ESC...
HSP	rdY→ConF→FULL→ FUn→SPL→HSP→60→ESC... rdY

Congratulations, your inverter is ready for use!!!

Reset to default settings:

rdY→ConF→FCS→InI→(hold enter pressed for 3 seconds)

Aenderungen:
Modifiche:



Code	Long label	Current value	Default value
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
LSP	Low speed	40Hz	0Hz
HSP	Hight speed	60Hz	50Hz

1	INVERTER MONOFASE 0,18kW	1	TELEMECANIQUE		N51.5459	ATV12	
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 CARRELLO (OP1)			Massstab Scala	Gezeichnet Disegnato	Servisi 12-06-12
	FS100/FS300			1:1	Geprueft Controllato		
FROMMM					FS3.2451		

N51.5459 → FS3.2451

To program inverter it is necesesery to acess and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Simbol “→” means press ENTER to confirm

Parameter:	Programming procedure:
ACC	rdY→ConF→FULL→FUn→rPt→ACC→0.1→ESC...
DEC	rdY→ConF→FULL→ FUn→rPt→dEC→0.1→ESC...
BRA	rdY→ConF→FULL→ FUn→rPt→brA→dYnA→ESC...
RRS	rdY→ConF→FULL→ FUn→rrS→L2H→ESC...
LSP	rdY→ConF→FULL→ FUn→SPL→LSP→40→ESC...
HSP	rdY→ConF→FULL→ FUn→SPL→HSP→60→ESC... rdY

Congratulations, your inverter is ready for use!!!

Reset to default settings:

rdY→ConF→FCS→InI→(hold enter pressed for 3 seconds)

N51.5461 → FS3.2450

To program inverter it is necesesery to acess and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Simbol “→” means press ENTER to confirm

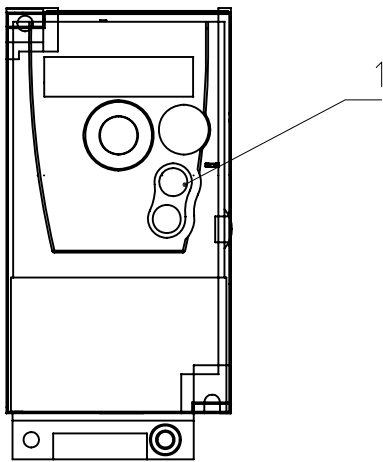
Parameter:	Programming procedure:
AI1T	rdY→ConF→FULL→I-O→All→Allt→0A→ESC...
CRL1	rdY→ConF→FULL→I-O→All→CrLI→0.2→ESC...
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→ FUn→rPt→dEC→3.5→ESC...
BRA	rdY→ConF→FULL→ FUn→rPt→brA→dYnA→ESC...
HSP	rdY→ConF→FULL→ FUn→SPL→HSP→60→ESC... rdY

Congratulations, your inverter is ready for use!!!

Reset to default settings:

rdY→ConF→FCS→InI→(hold enter pressed for 3 seconds)

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
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Gebrauch Zchg. Usò del disegno	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	
Freimass-Toleranzen/Tolleranze della misure libere	Typ: Tipo: <i>INVERTER TAVOLA FS300</i>			Massestab Scala <i>1:1</i>	Gezeichnet Disegnato	<i>Servisi 12-06-12</i>	
	<i>HORSESHOE OP2</i>				Gepueft Controllato		
	<i>FROMMM</i>				Gesehen Visto		
					<i>FS3.2454</i>		

N51.5461 → FS3.2454

To program inverter it is necesesery to acess and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Simbol “→” means press ENTER to confirm

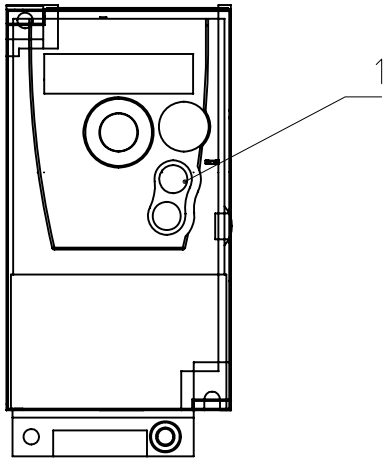
Parameter:	Programming procedure:
AI1T	rdY→ConF→FULL→I-O→All→Allt→0A→ESC...
CRL1	rdY→ConF→FULL→I-O→All→CrLI→0.2→ESC...
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→FUn→rPt→dEC→3.5→ESC...
RPS	rdY→ConF→FULL→FUn→rPt→rPS→L3H→ESC...
AC2	rdY→ConF→FULL→FUn→rPt→AC2→4→ESC...
DE2	rdY→ConF→FULL→FUn→rPt→dE2→0.6→ESC...
BRA	rdY→ConF→FULL→FUn→rPt→brA→dYnA→ESC...
FST	rdY→ConF→FULL→FUn→Stt→FSt→L4L→ESC...
HSP	rdY→ConF→FULL→FUn→SPL→HSP→60→ESC... rdY

Congratulations, your inverter is ready for use!!!

Reset to default settings:

rdY→ConF→FCS→InI→(hold enter pressed for 3 seconds)

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	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni	
	Aenderungen: Modifiche:			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce		
Freimass-Toleranzen/Tolleranze della misure libere	Typ: Tipo: <i>INVERTER CARRELLO (OP2)</i>			Massstab Scala <i>1:1</i>	Gezeichnet Disegnato	<i>Servisi</i>	<i>12-06-12</i>
	<i>FS100/FS300</i>				Gepueft Controllato		
	FROMMM				<i>FS3.2452</i>		

N51.5459 → FS3.2452

To program inverter it is necesesery to acess and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Simbol “→” means press ENTER to confirm

Parameter:	Programming procedure:
AI1T	rdY→ConF→FULL→I-O→All→Allt→0A→ESC...
CRL1	rdY→ConF→FULL→I-O→All→CrLI→0.3→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→0.1→ESC...
DEC	rdY→ConF→FULL→ FUn→rPt→dEC→0.1→ESC...
BRA	rdY→ConF→FULL→ FUn→rPt→brA→dYnA→ESC...
RRS	rdY→ConF→FULL→ FUn→rrS→L2H→ESC...
HSP	rdY→ConF→FULL→ FUn→SPL→HSP→60→ESC... rdY

Congratulations, your inverter is ready for use!!!

Reset to default settings:

rdY→ConF→FCS→InI→(hold enter pressed for 3 seconds)

FROMM Stretch Wrapping Division

Programming Inverter Telemecanique N51.5442-N51.5456

1. Load the program Schneider Electric (PowerSuite);
2. Connection Inverter-PC (look the picture below):



3. Switch on Inverter;
4. Search: **Mie configurazioni \ Variatori Altivar \ ATV312 \ choose: FS4-1244 o FS4-1245 o FS4-1246** right button **Download, Alt + F4, Ok, Ok.**

N51.5442 → FS4.1244

To program inverter it is necessary to access and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Symbol “→” means press ENTER to confirm

Parameter:	Programming procedure:
NCR	→drC→nCr→2.1→ESC...
NSP	→drC→nSP→1380→ESC....
COS	→drC→COS→0.74→ESC...
ACC	→SEt→ACC→0.2→ESC...
AI3A	→CtL→FrI→AI3→ESC...
CRL3	→I-O→CrL3→0.0→ESC...
DEC	→SEt→dEC→0.2→ESC...
FLG	→SEt→FLG→60→ESC..
HSP	→SEt→HSP→60.0→ESC...
ITH	→SEt→ITH→2.3→ESC...
TDC1	→FUn→AdC→TdC1→0.1→ESC...
SDC2	→FUn→AdC→SdC2→1.6→ESC...
TUN	→drC→tUn→POn→ESC...

Congratulations, your inverter is ready for use!!!

Reset to default settings:

→drC→FCS→InI→(hold enter pressed for 2 seconds)

N51.5456 → FS4.1245

To program inverter it is necesesery to acess and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Simbol “→” “ means press ENTER to confirm

Parameter:	Programming procedure:
NCR	→drC→nCr→3.4→ESC...
NSP	→drC→nSP→1380→ESC....
COS	→drC→COS→0.76→ESC...
TFR	→drC→tFr→65.0→ESC...
AI3A	→CtL→FrI→AI3→ESC..
BRA	→FUn→rPC→brA→nO→ESC...
CRL3	→I-O→CrL3→0.0→ESC...
FLG	→SEt→FLG→33→ESC..
HSP	→SEt→HSP→65.0→ESC...
ITH	→SEt→ITH→4.2→ESC...
SDC2	→FUn→AdC→SdC2→2.4→ESC...
TUN	→drC→tUn→POn→ESC...

Congratulations, your inverter is ready for use!!!

Reset to default settings:

→drC→FCS→InI→(hold enter pressed for 2 seconds)

N51.5442 → FS4.1246

To program inverter it is necessary to access and change some parameters from their default values as shown in this manual.

If your inverter is used or from some reason you have some doubt that parameters are not on their default before programming first reset inverter to default as shown at the end of this manual.

Symbol “→” means press ENTER to confirm

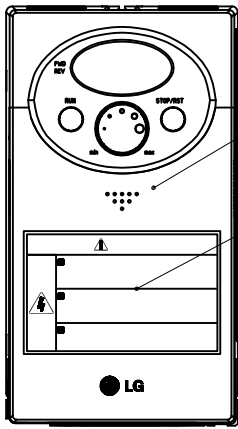
Parameter:	Programming procedure:
NCR	→drC→nCr→2.1→ESC...
NSP	→drC→nSP→1380→ESC....
COS	→drC→COS→0.74→ESC...
TFR	→drC→tFr→72.0→ESC...
TDC2	→FUn→AdC→tdC2→5.0→ESC...
TDC1	→FUn→AdC→tdC1→5.0→ESC...
SDC2	→FUn→AdC→SdC2→0.5→ESC...
SDC1	→FUn→AdC→SdC1→1.5→ESC...
ITH	→SEt→ITH→2.3→ESC...
DCI	→FUn→StC→dCI→LI2→ESC...
IDC	→SEt→IdC→3.0→ESC...
HSP	→SEt→HSP→72.0→ESC...
FR1	→CtL→FrI→AI3→ESC...
DEC	→SEt→dEC→0.1→ESC...
CRL3	→I-O→CrL3→0.0→ESC...
ACC	→SEt→ACC→0.1→ESC...
TUN	→drC→tUn→POn→ESC...

Congratulations, your inverter is ready for use!!!

Reset to default settings:

→drC→FCS→InI→(hold enter pressed for 2 seconds)

Aenderungen:
Modifiche:



1

2 PARAMETER LIST

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

Acc	0.2	sec	Acceleration time 0
Dec	0.2	sec	Deceleration time 0
Frq	4		Freq. Setting mode

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

F8	0.50	Hz	DC Brake start frequency
F10	80	%	DC Brake voltage
F11	0.1	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
F50	1		Electronic thermal select

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

H33	1.9	A	Motor rated current
H40	3		Control mode
H41	1		Auto tuning

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

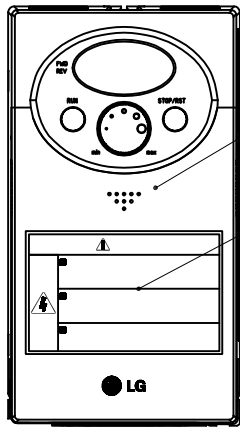
I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

1	PROGRAMMING FILE	2	PARAMETER LIST			
	INVERTER TABLE	1	LS INDUSTRIAL SYSTEMS		N51.5427	SV04-iC5-1F

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

Freimass-Toleranzen/Tolleranze della misure libere	Aenderungen: Modifiche:				Keine Nessuna Stueckliste separat Lista pezzi separata		Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
	Typ: Tipo:		U 1		Massstab Scala		Gezeichnet Disegnato	
	INVERTER CARRIAGE FS400		1:1				VICENTINI/ 13-05-2010	
							Gesehen Visto	
FROMMM					FS4.1594			

Aenderungen:
Modifiche:



1

2 PARAMETER LIST

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

Acc	3.0	sec	Acceleration time 0
Dec	3.0	sec	Deceleration time 0
Frq	4		Freq. Setting mode

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

F8	0.10	Hz	DC Brake start frequency
F9	0.0	sec	DC Brake wait time
F10	80	%	DC Brake voltage
F11	0.5	sec	DC Brake time
F14	0.1	sec	Motor Magnetizing time
F21	65.00	Hz	Maximum Frequency
F22	50.00	Hz	Base Frequency
F23	0.10	Hz	Start Frequency
F25	65.00	Hz	Frequency high limit
F27	1		Man/Auto Torque select
F50	1		Electronic thermal select

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

H33	3.4	A	Motor rated current
H34	1.7	A	No load motor current
H40	3		Control mode

-----[I0]-----

I12	0.00	mA	I input minimum current
I15	65.00	Hz	Frequency related to I14
I55	16		30-A/B/C output working

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

Gebrauch Zchg.
Usò 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:	U3		Massstab Scala	Gezeichnet Disegnato
INVERTER MOTOR TABLE FS400			1:1	VICENTINI
			Gesehen Visto	13-05-2010

FROMMM

FS4.1592

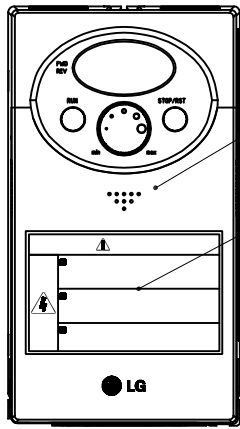
Aenderungen:
Modifiche:

Ⓐ

Change the parameters:
I13 from 1.0 to 0.1
ACC from 0.1 to 0.0
DEC from 0.1 to 0.0
F14 from 0.1 to 0.0

Ⓑ

Change the parameters:
Removed F8, F4=2Hz
F9 from 0.0 to 0.1
Removed F50, F52=150%
I12 from 0.0 to 0.5mA



1

2 PARAMETER LIST

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

Acc	0.0	sec	Acceleration time 0
Dec	0.0	sec	Deceleration time 0
Frq	4		Freq. Setting mode

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

F4	2	Hz	Stop mode select
F9	0.1	sec	DC Brake wait time
F11	0.1	sec	DC Brake time
F12	90	%	DC Brake start voltage
F14	0.0	sec	Motor Magnetizing time
F21	72.00	Hz	Maximum Frequency
F22	50.00	Hz	Base Frequency
F23	0.10	Hz	Start Frequency
F27	1		Man/Auto Torque select
F52	150	%	E.therm. lev. Contin.

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

H33	2.1	A	Motor rated current
H40	3		Control mode
H41	1		Auto tuning

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

I12	0.50	mA	I input minimum current
I15	72.00	Hz	Frequency related to I14
I21	11		Multifunction input P2
I55	16		30-A/B/C output working

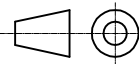
1	FILE DI PROGRAMMAZIONE	2	PARAMETER LIST			
	INVERTER TABLE	1	LS INDUSTRIAL SYSTEMS		N51.5427	SV04-iC5-1F

Gebrauch Zchg.
Usa del disegno

Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni
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Freimass-Toleranzen/tolleranze della misure libere

Aenderungen:
Modifiche: Ⓐ Ⓑ



Keine
Nessuna
Stueckliste
separat
Lista pezzi
separata

Ersetzt durch
Sostituito da
Ersatz fuer
Sostituisce

Typ:
Tipo:

U2-U4

Massstab
Scala
1:1

Gezeichnet Disegnato	VICENTINI	13-05-2010
Geprueft Controllato	Servisi	18-01-2010
	Servisi	14-03-2011
Gesehen Visto		

INVERTER FILM FS400

FROMMM

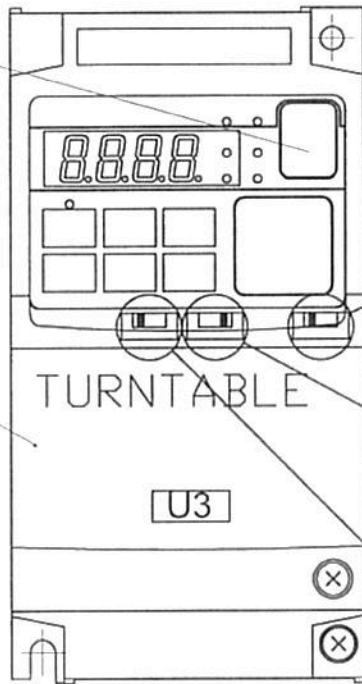
FS4.1593

Aenderungen:
Modifiche:

(A)
(B)

(2)
TURNTABLE FILE

(1)



EDM function selector switch

Disable<->Enable:

SAFETY function selector switch

Disable<->Enable:

MODBUS-RTU termination resistor selector switch

Off<->On:

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TURNTABLE FILE

...	Index	Description	Value	...	Default	Range	Units
	A004	Maximum Frequency 1	60,0	...	50,0	50,0 to 400,0	Hz
	A041	Torque Boost Selection 1	1: Automatic torque boost	...	0	0 to 1	
	A044	Control Method 1	3: SLV (sensorless vector control)	...	0	0 to 3	
	A102	O1 End Frequency	60,00	...	0,00	0,00 to 400,00	Hz
	A103	O1 Start Ratio	0	...	20	0 to 100	%
	B012	Electronic Thermal Level 1	2,78	...	3,00	0,60 to 3,00	A
	B035	Rotation Direction Limit Selection	1: Enable for forward only	...	0	0 to 2	
	B034	Initialization Selection	4: Clearing the trip history and initializing the data and Drive Programming program	...	0	0 to 4	
	C003	Multi-function Input [3] Selection	77: GS1 (GS1 input)	...	12	0 to 255	
	C004	Multi-function Input [4] Selection	78: GS2 (GS2 input)	...	18	0 to 255	
	C005	Multi-function Input [5] Selection	255: no (No function)	...	2	0 to 255	
	C013	Multi-function Input Terminal [3] Operation Selection	1: NC	...	0	0 to 1	
	C014	Multi-function Input Terminal [4] Operation Selection	1: NC	...	0	0 to 1	
	F002	Acceleration Time Setting 1	4,00	...	10,00	0,00 to 3600,00	Sec
	F003	Deceleration Time Setting 1	4,00	...	10,00	0,00 to 3600,00	Sec
	H002	Motor Parameter 1	2: Auto-tuned data	...	0	0 to 2	
	H003	Motor Capacity 1	3: 0.55	...	2	0 to 15	kW
	H030	Motor 1 Parameter R1(Auto-tuning Data)	5,236	...	5,877	0,001 to 65,535	Ohm(s)
	H031	Motor 1 Parameter R2(Auto-tuning Data)	2,886	...	2,659	0,001 to 65,535	Ohm(s)
	H032	Motor 1 Parameter L(Auto-tuning Data)	35,33	...	37,03	0,01 to 655,35	mH

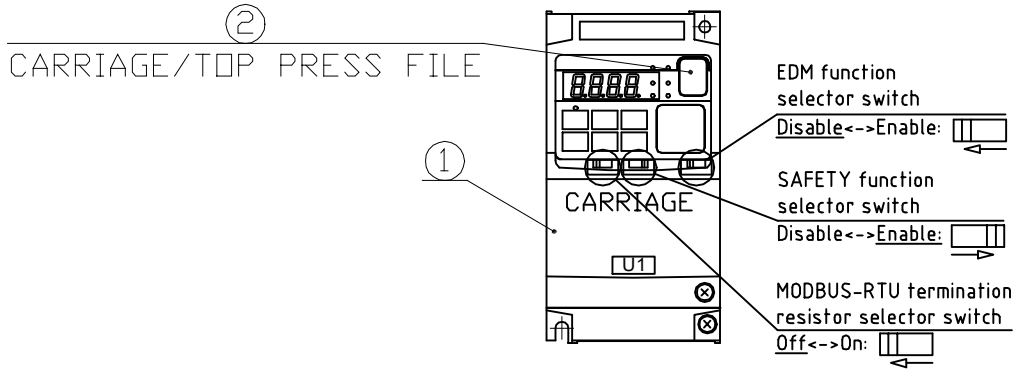
1	File di programmazione "TURNTABLE FS390"	2			
1	Inverter monofase 0.4kW	1	Omron	N51.5475	

Gebrauch Zeichn.
Usa del disegno

Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Seiten/Status Pezzi/Status	Bestand. Nr. Elemento Nr.	Bemerkungen Osservazioni
	Aenderungen: Modifiche: (A) set C005 = 255, No Function, to make the wiring compatible with that of the horseshoe table. 10/06/2015 Scienza S. (B) added parameter A041 ... boost top press. 22/07/2015 Scienza S.			Keine Nessuna Stueckliste separat. Lista pezzi separata	Ersetzt durch Sostituito da	
Typ: Tipo:				Masstab Scala:	Gezeichnet Disegnato	SCIENZA S. 12-01-2015
	Inverter Tavola			1:1	Geprüft Controlato	
					Gegenwert Modificato	
					Gesehen Visto	
	FROMM					FS7.1342

Freimass-Toleranzen/Tolleranze della misure libere

Aenderungen:
Modifiche:



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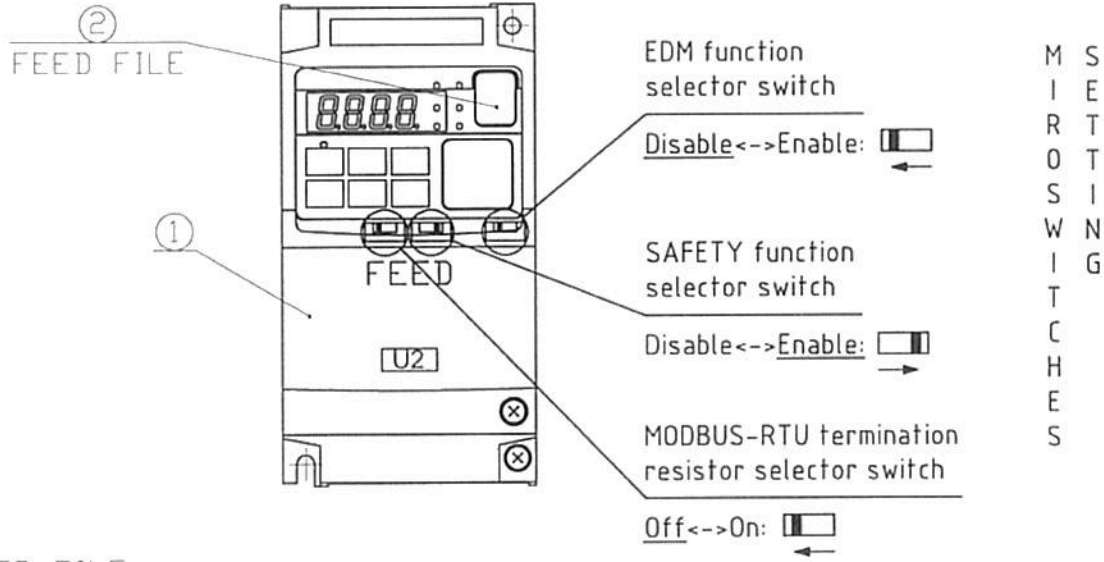
CARRIAGE/ TOP PRESS FILE

Status	Index	Description	Value	...	Default	Range	Units
●	A004	Maximum Frequency 1	70,0	---	50,0	50,0 to 400,0	Hz
●	A041	Torque Boost Selection 1	1: Automatic torque boost	---	0	0 to 1	
●	A044	Control Method 1	3: SLV (sensorless vector control)	---	0	0 to 3	
●	A102	OI End Frequency	60,00	---	0,00	0,00 to 400,00	Hz
●	A103	OI Start Ratio	0	---	20	0 to 100	%
●	A204	Maximum Frequency 2	60,0	---	50,0	50,0 to 400,0	Hz
●	A241	Torque Boost Selection 2	1: Automatic torque boost	---	0	0 to 1	
●	A244	Control Method 2	3: SLV (sensorless vector control)	---	0	0 to 3	
●	B012	Electronic Thermal Level 1	1,45	---	3,00	0,60 to 3,00	A
●	B083	Carrier Frequency	3,0	---	10,0	2,0 to 15,0	kHz
●	B084	Initialization Selection	4: Clearing the trip history and initializing the data and Drive Programming program	---	0	0 to 4	
●	C003	Multi-function Input [3] Selection	77: GS1 (GS1 input)	---	12	0 to 255	
●	C004	Multi-function Input [4] Selection	78: GS2 (GS2 input)	---	18	0 to 255	
●	C007	Multi-function Input [7] Selection	8: SET (Set (select) 2nd Motor Data)	---	6	0 to 255	
●	C013	Multi-function Input Terminal [3] Operation Selection	1: NC	---	0	0 to 1	
●	C014	Multi-function Input Terminal [4] Operation Selection	1: NC	---	0	0 to 1	
●	C021	Multi-function Output Terminal [11]/EDM Selection	10: TRQ (Torque Limited Signal)	---	0	0 to 255	
●	C022	Multi-function Output Terminal [12] Selection	255: no (Not used)	---	1	0 to 255	
●	C031	Multi-function Output Terminal [11]/EDM Contact Selection	1: NC	---	0	0 to 1	
●	F002	Acceleration Time Setting 1	0,50	---	10,00	0,00 to 3600,00	Sec
●	F003	Deceleration Time Setting 1	0,30	---	10,00	0,00 to 3600,00	Sec
●	F202	Acceleration Time Setting 2	1,50	---	10,00	0,00 to 3600,00	Sec
●	F203	Deceleration Time Setting 2	0,10	---	10,00	0,00 to 3600,00	Sec
●	H002	Motor Parameter 1	2: Auto-tuned data	---	0	0 to 2	
●	H005	Speed Response 1	30	---	100	1 to 1000	
●	H030	Motor 1 Parameter R1(Auto-tuning Data)	15,108	---	5,877	0,001 to 65,535	Ohm(s)
●	H031	Motor 1 Parameter R2(Auto-tuning Data)	6,057	---	2,659	0,001 to 65,535	Ohm(s)
●	H032	Motor 1 Parameter L(Auto-tuning Data)	77,97	---	37,03	0,01 to 655,35	mH
●	H202	Motor Parameter 2	2: Auto-tuned data	---	0	0 to 2	
●	H204	Motor Pole Number 2	0: 2 poles	---	1	0 to 23	
●	H205	Speed Response 2	15	---	100	1 to 1000	
●	H230	Motor 2 Parameter R1(Auto-tuning Data)	9,007	---	5,877	0,001 to 65,535	Ohm(s)
●	H231	Motor 2 Parameter R2(Auto-tuning Data)	3,633	---	2,659	0,001 to 65,535	Ohm(s)
●	H232	Motor 2 Parameter L(Auto-tuning Data)	41,28	---	37,03	0,01 to 655,35	mH

1	File di programmazione "CARRIAGE FS390"	2				
1	Inverter monofase 0.4kW	1	Omron		N51.5475	

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						
Freimass-Toleranzen/Tolleranze della misure libere	Aenderungen: Modifiche:				Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da	
	Ⓐ added parameter A241..boost top press. Scienza S. 22.07.2015 Ⓑ par A041 set to value 1, A044 set to value 3, B043 changed from 60 to 100. Scienza S. 13.06.2016 Ⓒ parameter B212 from 1.67 to 3.00, parameter B222 from 6.00 to 4.50, parameter B043 from 100 to 200, parameter F203 from 0.2 to 0.1 ...top press. Scienza S. 30.01.2017					Ersatz fuer Sostituisce	
	Typ: Tipo: Inverter Carrello/Top Press					Massstab Scala 1:1	Gezeichnet Disegnato Geprueft Controllato Geaendert Modificato Gesehen Visto
FROMMM					FS7.1343		

Aenderungen:
Modifiche:



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FEED FILE

...	Index	Description	Value	...	Default	Range	Units
	A004	Maximum Frequency 1	70,0	---	50,0	50,0 to 400,0	Hz
	A017	Drive Programming Selection	2: Always	---	0	0 to 2	
	A044	Control Method 1	3: SLV (sensorless vector control)	---	0	0 to 3	
	A102	OI End Frequency	70,00	---	0,00	0,00 to 400,00	Hz
	A103	OI Start Raba	0	---	20	0 to 100	%
	B012	Electronic Thermal Level 1	1,82	---	3,00	0,60 to 3,00	A
	B035	Rotabon Direction Limit Selection	1: Enable for forward only	---	0	0 to 2	
	C002	Multi-function Input [2] Selection	7: DB (External DC braking)	---	1	0 to 255	
	C003	Multi-function Input [3] Selection	77: GS1 (GS1 input)	---	12	0 to 255	
	C004	Multi-function Input [4] Selection	78: GS2 (GS2 input)	---	18	0 to 255	
	C007	Multi-function Input [7] Selection	56: X(00) Drive Programming (MI1)	---	6	0 to 255	
	C013	Multi-function Input Terminal [3] Operation Selection	1: NC	---	0	0 to 1	
	C014	Multi-function Input Terminal [4] Operation Selection	1: NC	---	0	0 to 1	
	C021	Multi-function Output Terminal [11]/EDM Selection	5: AL (Alarm Signal)	---	0	0 to 255	
	C026	Multi-function Relay Output (AL2, AL1) Function Selection	44: Y(00) Drive Programming (MO1)	---	5	0 to 255	
	C031	Multi-function Output Terminal [11]/EDM Contact Selection	1: NC	---	0	0 to 1	
	C036	Multi-function Relay Output (AL2, AL1) Contact Selection	0: NO	---	1	0 to 1	
	F002	Acceleration Time Setting 1	0,10	---	10,00	0,00 to 3600,...	Sec
	F003	Deceleration Time Setting 1	0,10	---	10,00	0,00 to 3600,...	Sec
	H002	Motor Parameter 1	2: Auto-tuned data	---	0	0 to 2	
	H005	Speed Response 1	20	---	100	1 to 1000	
	H030	Motor 1 Parameter R1(Auto-tuning Data)	8,949	---	5,877	0,001 to 65,5...	Oh...
	H031	Motor 1 Parameter R2(Auto-tuning Data)	4,956	---	2,659	0,001 to 65,5...	Oh...
	H032	Motor 1 Parameter L(Auto-tuning Data)	46,51	---	37,03	0,01 to 655,35	mH
	P100	Drive Programming user parameter U (00)	1	---	0	0 to 65535	

1	File di programmazione "FEED FS390"	2				
1	Inverter monofase 0.4kW	1	Omron		N51.5475	

Gebrauch Zeichn
Uso del disegno

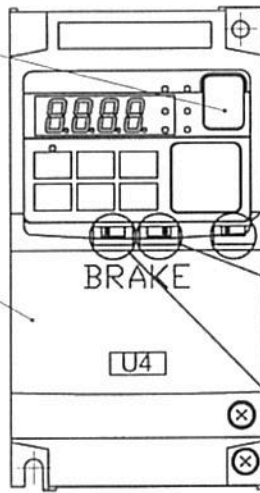
Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandl. Nr. Elemento Nr.	Bemerkungen Osservazioni
	Aenderungen: Modifiche:			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
	Typ: Tipo:			Massstab Scala 1:1	Gezeichnet Disegnato	SCENZA S. 12-01-2015
	Inverter Feed				Geprueft Controllato	
	FROMMM				Gebaeuert Modificato	
	FS7.1344				Gesehen Visto	

Freimass-Toleranzen/Tolleranze della misure libere

Aenderungen:
Modifiche:

②
BRAKE FILE

①



EDM function selector switch

Disable<-->Enable:

SAFETY function selector switch

Disable<-->Enable:

MODBUS-RTU termination resistor selector switch

Off<-->On:

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BRAKE FILE

...	Index	Description	Value	...	Default	Range	Units
●	A004	Maximum Frequency 1	70,0	---	50,0	50,0 to 400,0	Hz
●	A017	Drive Programming Selection	2: Always	---	0	0 to 2	
●	A044	Control Method 1	3: SLV (sensorless vector control)	---	0	0 to 3	
●	A102	OI End Frequency	70,00	---	0,00	0,00 to 400,00	Hz
●	A103	OI Start Ratio	0	---	20	0 to 100	%
●	B012	Electronic Thermal Level 1	1,82	---	3,00	0,60 to 3,00	A
●	B035	Rotation Direction Limit Selection	1: Enable for forward only	---	0	0 to 2	
●	C002	Multi-function Input [2] Selection	7: DB (External DC braking)	---	1	0 to 255	
●	C003	Multi-function Input [3] Selection	77: GS1 (GS1 input)	---	12	0 to 255	
●	C004	Multi-function Input [4] Selection	78: GS2 (GS2 input)	---	18	0 to 255	
●	C007	Multi-function Input [7] Selection	56: X(00) Drive Programming (MI1)	---	6	0 to 255	
●	C013	Multi-function Input Terminal [3] Operation Selection	1: NC	---	0	0 to 1	
●	C014	Multi-function Input Terminal [4] Operation Selection	1: NC	---	0	0 to 1	
●	C021	Multi-function Output Terminal [11]/EDM Selection	5: AL (Alarm Signal)	---	0	0 to 255	
●	C026	Multi-function Relay Output (AL2, AL1) Function Selection	44: Y(00) Drive Programming (MO1)	---	5	0 to 255	
●	C031	Multi-function Output Terminal [11]/EDM Contact Selection	1: NC	---	0	0 to 1	
●	C036	Multi-function Relay Output (AL2, AL1) Contact Selection	0: NO	---	1	0 to 1	
●	F002	Acceleration Time Setting 1	0,10	---	10,00	0,00 to 3600,...	Sec
●	F003	Deceleration Time Setting 1	0,10	---	10,00	0,00 to 3600,...	Sec
●	H002	Motor Parameter 1	2: Auto-tuned data	---	0	0 to 2	
●	H005	Speed Response 1	20	---	100	1 to 1000	
●	H030	Motor 1 Parameter R1(Auto-tuning Data)	8,949	---	5,877	0,001 to 65,5...	Oh...
●	H031	Motor 1 Parameter R2(Auto-tuning Data)	4,956	---	2,659	0,001 to 65,5...	Oh...
●	H032	Motor 1 Parameter L(Auto-tuning Data)	46,51	---	37,03	0,01 to 655,35	mH
●	P100	Drive Programming user parameter U (00)	1	---	0	0 to 65535	

1	File di programmazione "BRAKE FS 390"	2				
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1	Inverter monofase 0.4kW	1	Omron	N51.5475		
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Gebrauch Zeichn. Usa del disegno	Stueckzahl Numero pezzi Rubrik Rubrica	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestand. Nr. Elemento Nr.	Bemerkungen Osservazioni
		Aenderungen: Modifiche:				Keine Nessuna Stueck ste. separat L'ista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce
Freimass-Toleranzen/Tolleranze della misure libere	Typ: Tipo:				Massstab Scala	Gezeichnet Disegnato	SCENZA S. 12-01-2015
	Inverter Brake				1:1	Geprüft Controllato	
					Gesehen Visto		
FROMMM				FS7.1345			