

Inverters & Parameters

A	Code Inverter with Parameters	Code Inverter without Parameters	Normalized code for all our FS machine	
FS290			Stock = (N5.5470 - Omron 0.55 Kw)	
FS2.1395	(N5.5470 - Omron 0.55 Kw)	(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			(N5.5470 - Omron 0.55 Kw)	
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) (Inverter motor table OP1 -25°C)	(N5.5475 - LG 0.75 Kw)		
FS3.2442	(Inverter motor table OP1) Only for carriage 4	(N5.5475 - LG 0.75 Kw)		(N5.5475 - LG 0.75 Kw)
FS3.2187	(Inverter motor carriage OP1) (Inverter motor carriage OP1 -25°C)	(N51.5427 - LG 0.4 Kw)		
FS33x V01-V02				
FS3.2186	(Inverter motor table OP2) (Inverter motor table OP2 -25°C)	(N5.5475 - LG 0.75 Kw)	Stock = (N5.5475 - LG 0.75 Kw)	
FS3.2444	(Inverter motor table OP2) Only for carriage 4	(N5.5475 - LG 0.75 Kw)		(N5.5475 - LG 0.75 Kw)
FS3.2188	(Inverter motor carriage OP2) (Inverter motor carriage OP2 -25°C)	(N51.5427 - LG 0.4 Kw)		
FS31x V03				Stock = (N51.5461 - Teleme./ATV 0.55 Kw)
FS3.2449	(Inverter motor table OP1) (Inverter motor table OP1 -25°C)	(N51.5461 - Teleme./ATV 0.55 Kw)		
FS3.2453	(Inverter motor table OP1) Only for horseshoe	(N51.5461 - Teleme./ATV 0.55 Kw)		
FS3.2451	(Inverter motor carriage OP1) (Inverter motor carriage OP1 -25°C)	(N51.5459 - Teleme./ATV 0.18 Kw)		
FS33x V03				
FS3.2450	(Inverter motor table OP2) (Inverter motor table OP2 -25°C)	(N51.5461 - Teleme./ATV 0.55 Kw)	Stock = (N51.5461 - Teleme./ATV 0.55 Kw)	
FS3.2454	(Inverter motor table OP2) Only for horseshoe	(N51.5461 - Teleme./ATV 0.55 Kw)		(N51.5461 - Teleme./ATV 0.55 Kw)
FS3.2452	(Inverter motor carriage OP2) (Inverter motor carriage OP2 -25°C)	(N51.5459 - Teleme./ATV 0.18 Kw)		

Inverters & Parameters

A			
Code Inverter with Parameters	Code Inverter without Parameters		Normalized code for all our FS machine
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)		
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)		
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)		
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)		
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)
	(N51.5456 - Teleme./ATV 0.75 Kw)		
FS4.1245 (U3 - Inverter motor table)	(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)		
FS4.1246 (U2/U4 - Inverter motor film)	(N51.5442 - Teleme./ATV 0.4 Kw)	Stock =	(N51.5442 - Teleme./ATV 0.4 Kw)
FS390 V01		FS390 V02	
FS7.1342 (Inverter Turntable)		FS3.3531 (Inverter Turntable)	
FS7.1398 (Inverter Turntable HORSESHOE)		FS3.3535 (Inverter Turntable HORSESHOE)	
FS7.1343 (Inverter Carriage/Top press)		FS3.3532 (Inverter Carriage/Top press)	
FS7.1344 (Inverter Feed)		FS3.3533 (Inverter Feed)	
FS7.1345 (Inverter Brake)		FS3.3534 (Inverter Brake)	
FS360 V01			
FS1.2636 (Inverter Turntable)			
FS1.2637 (Inverter Carriage)			
FS1.2638 (Inverter Stretch)			
FS1.3115 (Inverter Feed)			

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	VALORE IMPOSTATO	F --	FUNZIONE	VALORE IMPOSTATO	VALORE IMPOSTATO
n01	1	n01	Inizializzazione	1	n01	Inizializzazione	1	
n02	1	n02	Selezione del comando di run	1	n02	Selezione del comando di run	1	
n03	2	n03	Selezione della frequenza di riferimento	2	n03	Selezione della frequenza di riferimento	2	
n09	55.00	n09	Frequenza massima di uscita	60.00	n09	Frequenza massima di uscita	100	
n10	220	n10	Tensione massima	220	n10	Tensione massima	220	
n16	6.00	n16	Tempo di accelerazione 1	0.3	n16	Tempo di accelerazione 1	0.3	
n17	3.00*	n17	Tempo di decelerazione 1	0.1	n17	Tempo di decelerazione 1	0.3	
n30	100	n30	Limite superiore della frequenza	100	n30	Limite superiore della frequenza	90	
n31	18 14(tras)	n31	Limite inferiore della frequenza	30	n31	Limite inferiore della frequenza	0	
n32	3.5		Corrente di targa motore					
n40	0	n40	Impostazione uscita multifunzione	0	n40	Impostazione uscita multifunzione	0	
					n42	Offset per riferimento frequenza	-2	

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

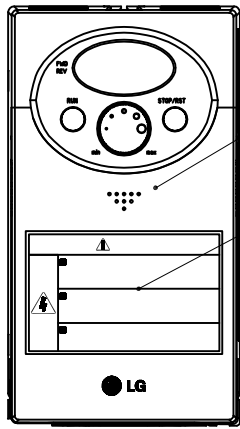
I 10 60

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

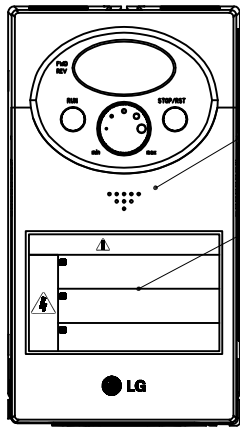
-----[IO]-----

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. 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 TABLE OP1					Geprueft Controllato	Servisi 23-11-09
	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]-----

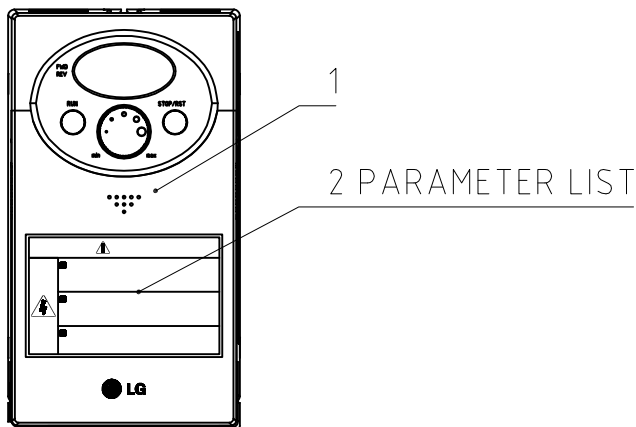
I12	0.00	mA	I input minimum current
I54	16		M0-EXTG outp. Working
I55	12		30-A/B/C output working
I66	3.0	sec	Relay ON delay

1	FILE DI PROGRAMMAZIONE	2	PARAMETER LIST			
	INVERTER TABLE OP1	1	LS INDUSTRIAL SYSTEMS		N5.5475	SV08-iC5-1F

Gebrauch Zchg.
Usò 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

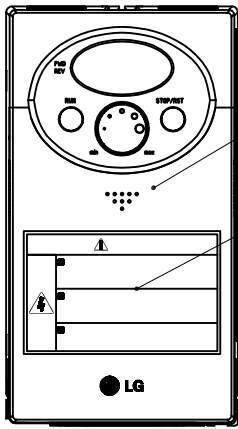
-----[IO]-----
 I3 20.00 Hz Frequency related to I2
 I12 0.00 mA I input minimum current
 I55 16 30-A/B/C output working

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	Aenderungen: Modifiche: ⓐ			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
Freimass-Toleranzen/ Tolleranze della misure libere	Typ: Tipo:	INVERTER MOTOR CARRIAGE OP1			Massstab Scala 1:1	Gezeichnet Disegnato VICENTINI	28-10-2008
						Gepueft 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]-----

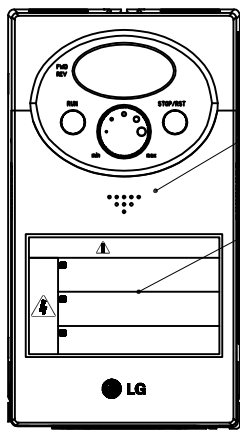
I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

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

Gebrauch Zchg. 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	Gezeichnet Disegnato	VICENTINI	28-10-2008
			1:1	Geprueft Controllato	Servisi	23-11-09
				Gesehen Visto		
FROMMM			FS3.2186			

Aenderungen:
Modifiche:



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]-----

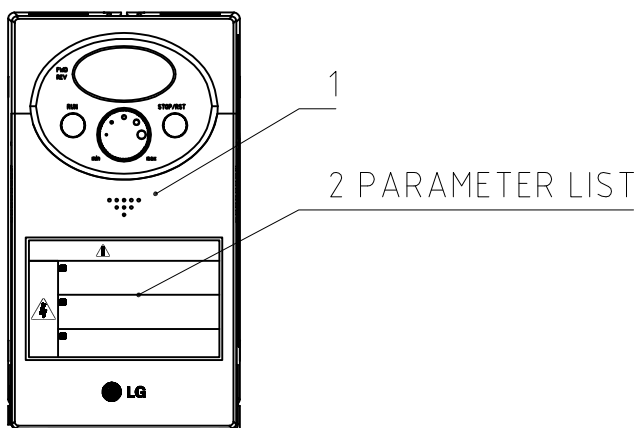
I12	0.00	mA	I input minimum current
I54	16		MO-EXTG outp. Working
I55	12		30-A/B/C output working
I66	3.0	sec	Relay ON delay

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
	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:	INVERTER MOTOR TABLE OP2	1:1	Gezeichnet Disegnato	VICENTINI	14-07-2010
				Geprueft Controllato		
				Gesehen Visto		
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]-----

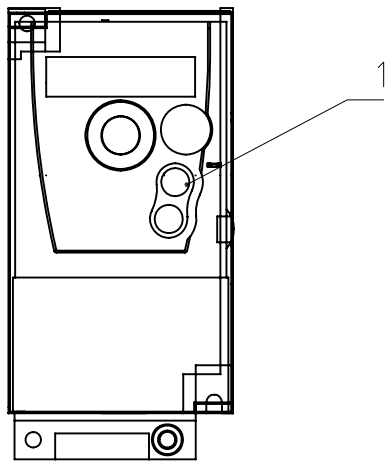
I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

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:	INVERTER TAVOLA FS100 / FS300		Massstab Scala 1:1	Gezeichnet Disegnato	Servisi	12-06-12
	FS300 C4 (OP1)		Geprueft Controllato				
	FROMMM		Gesehen Visto				
				FS3.2449			

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

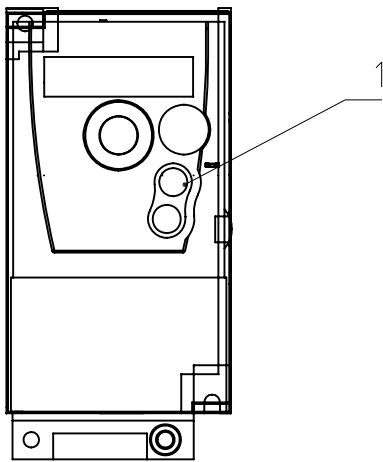
Parameter:	Programming procedure:
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→FUn→rPt→dEC→3.5→ESC...
BRA	rdY→ConF→FULL→FUn→rPt→brA→dYnA→ESC...
PS2	rdY→ConF→FULL→FUn→PSS→PS2→L1H→ESC...
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
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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 Ersatz fuer Sostituisce
	Typ: Tipo:	INVERTER TAVOLA FS300		Masstab Scala	Gezeichnet Disegnato
	HORSESHOE OP1		1:1	Geprueft Controllato	Servisi 12-06-12
	FROMMM		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

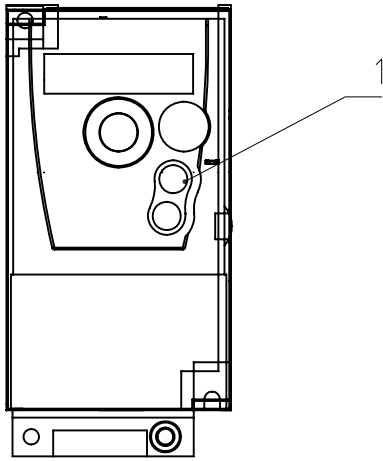
Parameter:	Programming procedure:
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→ FUn→rPt→dEC→3.5→ESC...
RPS	rdY→ConF→FULL→ FUn→rPt→rPS→L3H→ESC...
AC2	rdY→ConF→FULL→ FUn→rPt→AC2→4→ESC...
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	
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 CARRELLO (OP1)			Masstab Scala	Gezeichnet Disegnato	Servisi 12-06-12
		FS100/FS300			1:1	Gepueft Controllato	
		FROMMM				Gesehen Visto	
							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

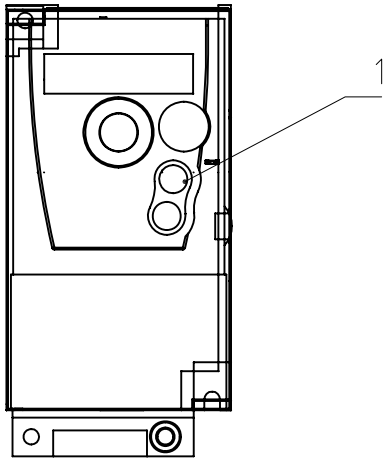
Parameter:	Programming procedure:
ACC	rdY→ConF→FULL→FUn→rPt→ACC→0.1→ESC...
DEC	rdY→ConF→FULL→FUn→rPt→dEC→0.1→ESC...
BRA	rdY→ConF→FULL→FUn→rPt→brA→dYnA→ESC...
RRS	rdY→ConF→FULL→FUn→rrS→L2H→ESC...
LSP	rdY→ConF→FULL→FUn→SPL→LSP→40→ESC...
HSP	rdY→ConF→FULL→FUn→SPL→HSP→60→ESC... rdY

Congratulations, your inverter is ready for use!!!

Reset to default settings:

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

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	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni
Freimass-Toleranzen/Tolleranze della misure libere	(a)		Gezeichnet Disegnato	Servisi	12-06-12	
Typ: Tipo: INVERTER TAVOLA FS100 / FS300			Massestab Scala	1:1	Geprueft Controllato	
FS300 C4 (OP2)					Gesehen Visto	
FROMMM				FS3.2450		

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

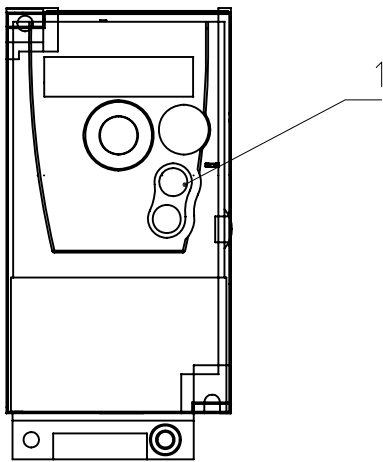
Parameter:	Programming procedure:
AI1T	rdY→ConF→FULL→I-O→All→Allt→0A→ESC...
CRL1	rdY→ConF→FULL→I-O→All→CrLI→0.2→ESC...
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→ FUn→rPt→dEC→3.5→ESC...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

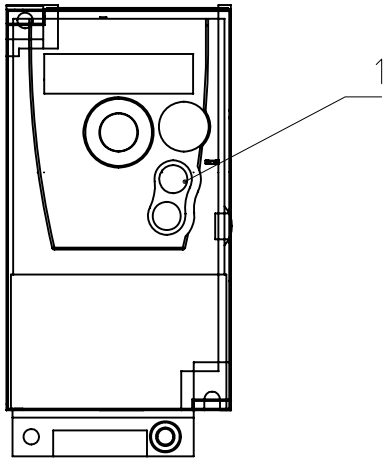
Parameter:	Programming procedure:
AI1T	rdY→ConF→FULL→I-O→All→Allt→0A→ESC...
CRL1	rdY→ConF→FULL→I-O→All→CrLI→0.2→ESC...
LO1	rdY→ConF→FULL→I-O→LOI→LOI→rUn→ESC...
NCR	rdY→ConF→FULL→drC→nCr→2.8→ESC...
NSP	rdY→ConF→FULL→drC→nSP→1380→ESC...
ACC	rdY→ConF→FULL→FUn→rPt→ACC→4→ESC...
DEC	rdY→ConF→FULL→FUn→rPt→dEC→3.5→ESC...
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
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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 Ersatz fuer Sostituisce
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Freimass-Toleranzen/Tolleranze della misure libere	Typ: Tipo:	<i>INVERTER CARRELLO (OP2)</i>		Massstab Scala 1:1	Gezeichnet Disegnato	<i>Servisi</i>	<i>12-06-12</i>
		<i>FS100/FS300</i>			Geprueft Controllato		
					Gesehen Visto		

Freimass-Toleranzen/Tolleranze della misure libere	FROMMM			<i>FS3.2452</i>			
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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

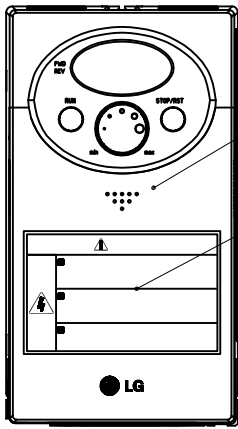
Parameter:	Programming procedure:
NCR	→drC→nCr→2.1→ESC...
NSP	→drC→nSP→1380→ESC....
COS	→drC→COS→0.74→ESC...
TFR	→drC→tFr→72.0→ESC...
TDC2	→FUn→AdC→tdC2→5.0→ESC...
TDC1	→FUn→AdC→tdC1→5.0→ESC...
SDC2	→FUn→AdC→SdC2→0.5→ESC...
SDC1	→FUn→AdC→SdC1→1.5→ESC...
ITH	→SEt→ITH→2.3→ESC...
DCI	→FUn→StC→dCI→LI2→ESC...
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]-----

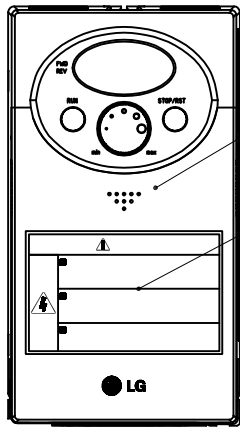
I12	0.00	mA	I input minimum current
I55	16		30-A/B/C output working

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 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		
Freimass-Toleranzen/Tolleranze della misure libere	Typ: Tipo: U1			Massstab Scala 1:1	Gezeichnet Disegnato	VICENTINI	13-05-2010
	INVERTER CARRIAGE FS400				Geprueft Controllato		
	FROMMM				Gesehen Visto		
				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

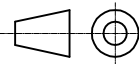
1	PROGRAMMING FILE	2	PARAMETER LIST			
	INVERTER TABLE	1	LS INDUSTRIAL SYSTEMS		N5.5475	SV08-iC5-1F

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
1:1

Gezeichnet
Disegnato

VICENTINI 13-05-2010

Gepueft
Controllato

Gesehen
Visto

INVERTER MOTOR TABLE FS400

FROMM

FS4.1592

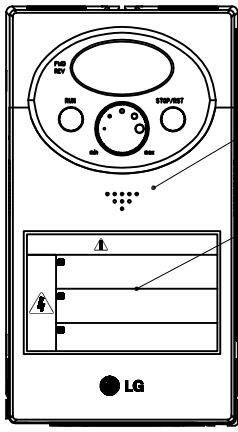
Aenderungen:
Modifiche:

Ⓐ

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	

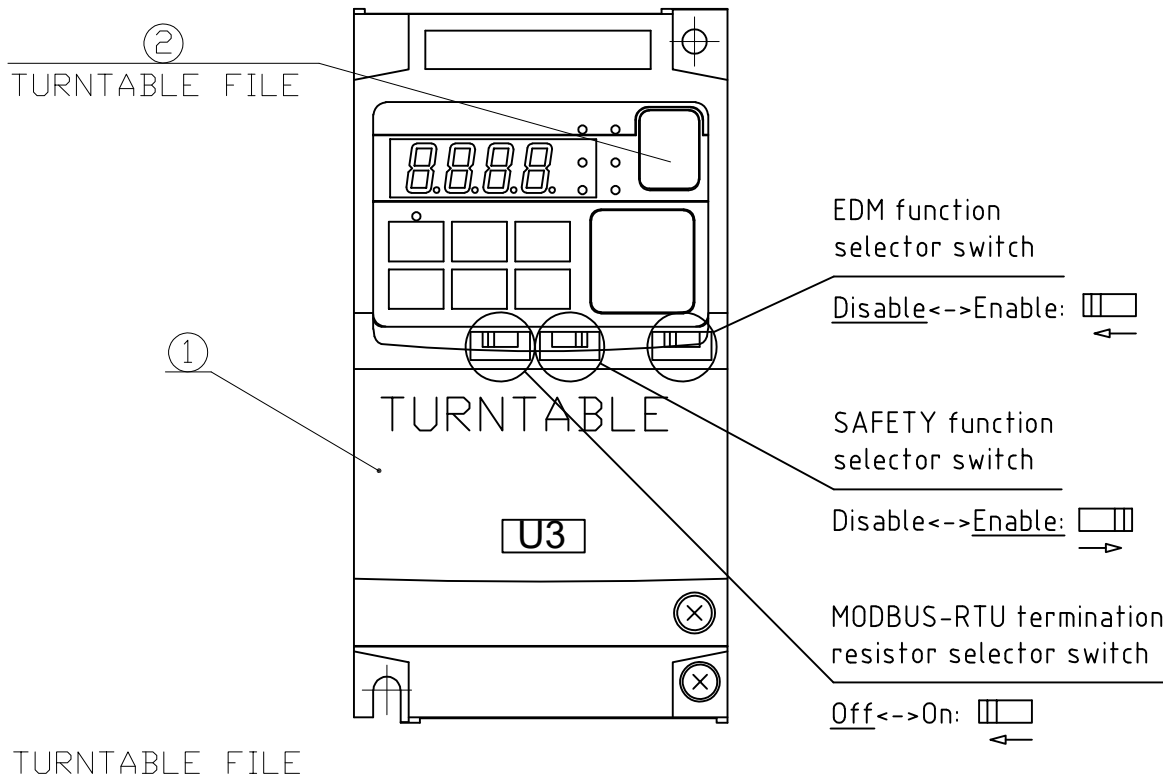
Gebrauch Zchg.
Usa del disegno

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	Gezeichnet Disegnato	VICENTINI 13-05-2010
	INVERTER FILM FS400		1:1	Geprueft Controllato	Servisi	18-01-2010
	FROMMM				Gesehen Visto	Servisi
				FS4.1593		

Anderungen:
Modifiche:

- (A)
- (B)
- (C)
- (D)



M E T R O S I N G
S W I T C H E S

...	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	
	A051 Internal DC Injection Braking Selection	1: Enabling	...	0	0 to 2	
	A052 Internal DC Injection Braking Frequency	7,00	...	0,50	0,00 to 60,00	Hz
	A053 DC Injection Braking Delay Time	1,0	...	0,0	0,0 to 5,0	Sec
	A102 OI End Frequency	60,00	...	0,00	0,00 to 400,00	Hz
	A103 OI Start Ratio	0	...	20	0 to 100	%
	B012 Electronic Thermal Level 1	2,78	...	3,00	0,60 to 3,00	A
	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	
	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				
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1	Inverter monofase 0.4kW	1	Omron		N51.5475	
---	-------------------------	---	-------	--	----------	--

Gebrauch Zchg. Uso del disegno	Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandt. Nr. Elemento Nr.	Bemerkungen Osservazioni
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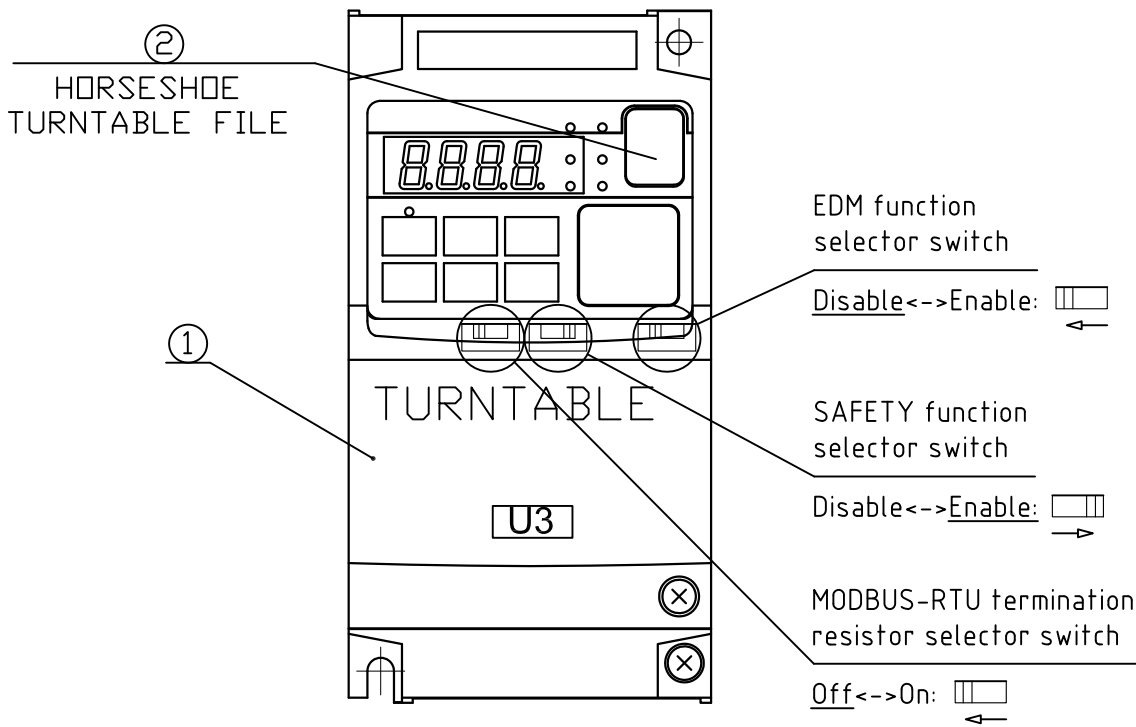
Freimass-Toleranzen/Tolleranze della misure libere	Aenderungen: Modifiche: (A) set C005 = 255, No Function, to make the wiring compatible with that of the horseshoe table. 10/06/2015 Scienza S. (B) added parameter A041... boost top press. 22/07/2015 Scienza S. (C) setted parameter B035 to default value =0, enable rotation for both direction. 01/08/2017 Scienza S. (D) setted parameters A051, A052, A053 to improve the stop position of the HS turntable. 08/07/2019 S.S.				Keine Nessuna Stueckliste separat Lista pezzi separato	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
--	--	--	--	--	---	--	--

Typ: Tipo:	Masstab Scala	Gezeichnet Disegnato	SCIENZA S.	12-01-2015
Inverter Tavola	1:1	Geprueft Controllato		
		Geaendert Modificato		
		Gesehen Visto		

FROMM	FS7.1342
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Anderungen:
Modifiche:

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Ⓑ



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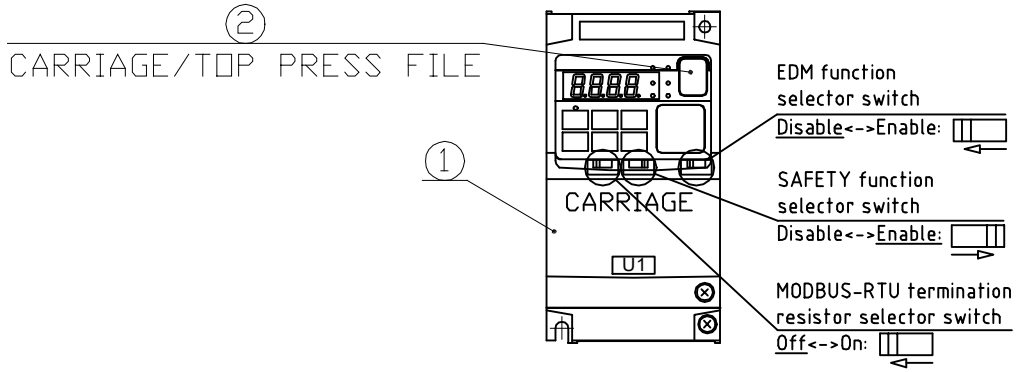
HORSESHOE TURNTABLE FILE

...	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	
●	A093	1st Deceleration Time 2	0,80	---	10,00	0,00 to 3600,00	Sec
●	A102	OI End Frequency	60,00	---	0,00	0,00 to 400,00	Hz
●	A103	OI Start Ratio	0	---	20	0 to 100	%
●	B012	Electronic Thermal Level 1	2,78	---	3,00	0,60 to 3,00	A
●	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	
●	C005	Multi-function Input [5] Selection	9: 2CH (2-stage Acceleration and Deceleration)	---	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 "HORSESHOE TURNTABLE FS390"	2				
1	Inverter monofase 0.4kW	1	Omron		N51.5475	

Gebrauch Zchg. Uso 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		Anderungen: Modifiche: Ⓐ added parameter A041... boost. 22/07/2015 Scienza S. Ⓑ setted parameter B035 to default value =0,enable rotation for both direction. 01/08/2017 Scienza S.			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
		Typ: Tipo:			Massstab Scala 1:1	Gezeichnet Disegnato SCIENZA S. 29-05-2015	
		Inverter Tavola Horseshoe				Gepueft Controllato Geaendert Modificato Gesehen Visto	
		FROMMM				FS7.1398	

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
	Aenderungen: Modifiche:			Keine Nessuna	Ersetzt durch Sostituito da	
	<p>Ⓐ added parameter A241..boost top press. Scienza S. 22.07.2015</p> <p>Ⓑ par A041 set to value 1, A044 set to value 3, B043 changed from 60 to 100. Scienza S. 13.06.2016</p> <p>Ⓒ 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</p>			Stueckliste separat Lista pezzi separata	Ersatz fuer Sostituisce	

Typ: Tipo:	Massstab Scala	Gezeichnet Disegnato	SCIENZA S.	12-01-15
	1:1	Geprueft Controllato		
		Geaendert Modificato		
		Gesehen Visto		

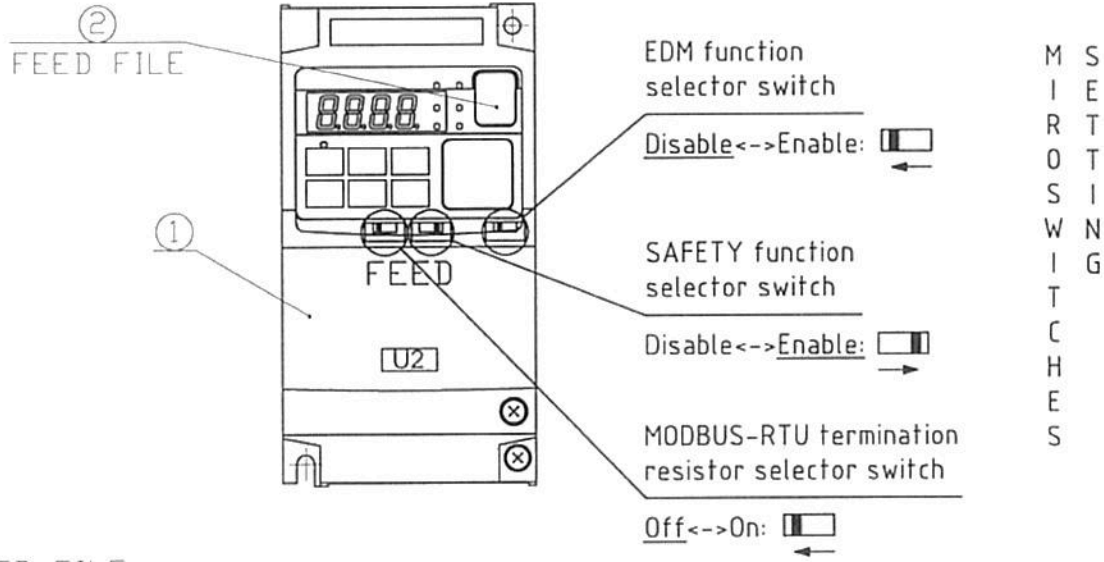
Inverter Carrello/Top Press

FROMMM

FS7.1343

Freimass-Toleranzen/tolleranze della misure libere

Aenderungen:
Modifiche:



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 Zeich
Iso del disegno

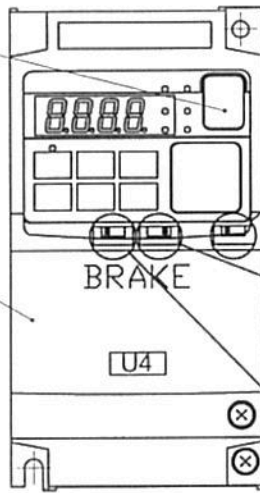
Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestandl. Nr. Elemento Nr.	Bemerkungen Osservazioni
	Aenderungen: Modifiche:			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
	Typ: Tipo:			Massstab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

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

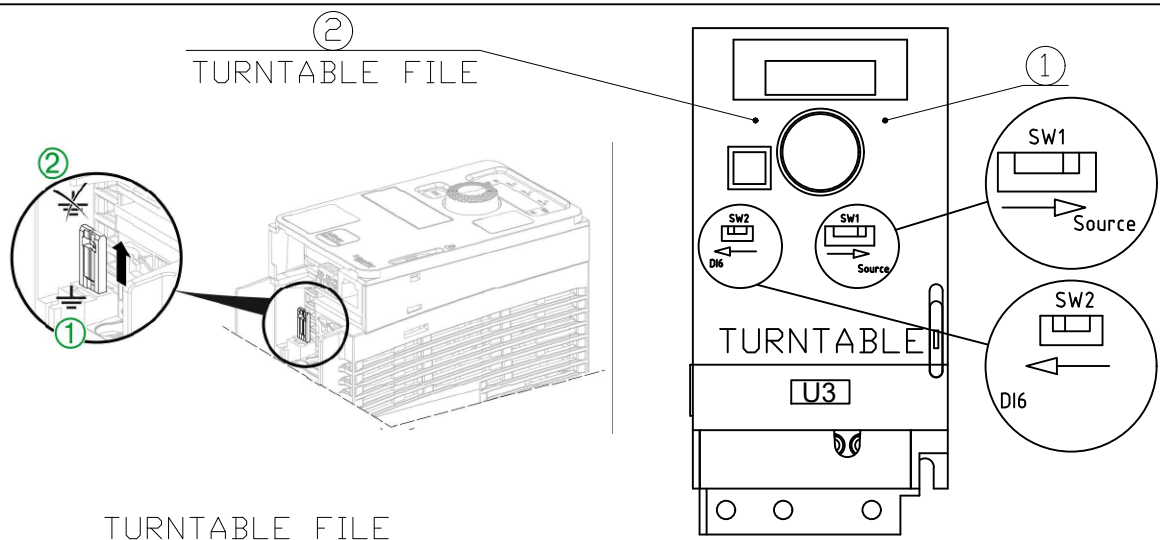
...	Index	Description	Value	...	Default	Range	Units
●	A004	Maximum Frequency 1	70,0	---	50,0	50,0 to 400,0	Hz
●	A017	Drive Programming Selection	2: Always	---	0	0 to 2	
●	A044	Control Method 1	3: SLV (sensorless vector control)	---	0	0 to 3	
●	A102	OI End Frequency	70,00	---	0,00	0,00 to 400,00	Hz
●	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	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestand. Nr. Elemento Nr.	Bemerkungen Osservazioni
	Rubrik Rubrica						
Freimass-Toleranzen/Tolleranze della misure libere	Aenderungen: Modifiche:				Keine Nessuna Stueck ste. separat L'ista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
	Typ: Tipo:				Massstab Scala	Gezeichnet Disegnato	SCIENZA S. 12-01-2015
	Inverter Brake				1:1	Geprüft Controllato	
FROMMM			FS7.1345				

Aenderungen:
Modifiche:



TURNTABLE FILE

Code	Long Label	Conf0	Default Value	Min Value	Max Value
NPR	Nominal motor power	0.55 kW	0.37 kW	0.09 kW	0.75 kW
NCR	Nominal motor current	2.8 A	1.9 A	0.8 A	4.9 A
NSP	Nominal motor speed	1380 rpm	1425 rpm	0 rpm	65535 rpm
STUN	Tune selection	Measure	Default		
ITH	Motor Thermal current	2.8 A	1.9 A	0.6 A	4.9 A
ACC	Acceleration ramp time	4 s	3 s	0 s	999.9 s
DEC	Deceleration ramp time	4 s	3 s	0 s	999.9 s
HSP	High speed	60 Hz	50 Hz	0 Hz	60 Hz
TA3	Start DEC ramp rounding	0 %	10 %	0 %	100 %
SDC2	Auto DC injection level 2	0.8 A	1.6 A	0 A	3.9 A
RSA	AsyncMotor Stator resistance	15650 mOhm	0 mOhm	0 mOhm	65535 mOhm
LFA	AsyncMotor Leakage inductance	50.63 mH	0 mH	0 mH	655.35 mH
IDA	Magnetizing current	2.5 A	0 A	0 A	6553.5 A
TRA	Rotor time constant	48 ms	0 ms	0 ms	65535 ms
RSAS	Calculated SyncMotor Stator R	2740 mOhm	0 mOhm	0 mOhm	65535 mOhm
LDS	Sync motor d inductance	21.09 mH	0 mH	0 mH	655.35 mH
LQS	Sync motor q inductance	21.09 mH	0 mH	0 mH	655.35 mH
PHS	Sync. EMF constant	106.7 mV/rpm	0 mV/rpm	0 mV/rpm	6553.5 mV/rpm
L3A	DI3 assignment	Safe torque Off channel1	No		
L5A	DI5 assignment	Autotuning	No		
AI1A	AI1 assignment	Not assigned	Reference frequency 1		
AI3A	AI3 assignment	Reference frequency 1	Not assigned		
AV1A	AV1 assignment	IA02	Not assigned		
AV2A	AV2 assignment	IA03	Not assigned		
R2	R2 assignment	OL01	Not assigned		
FR1	Configuration reference frequency 1	AI3 Analog input	AI1 Analog input		
RIN	Reverse direction disable	Yes	No		
CHCF	Channel mode config.	Separated channel mode	Combined channel mode		
BNS	Program size	54	0	0	65535
BNV	Program format version	1	0	0	65535
CTV	Catalogue version	1	0	0	65535
FBRM	FunctionBlock start mode	Yes	Not assigned		
IL01	Logic input 1 assignment	Digital input 1	Not assigned		
IA01	Analog input 1 assignment	Motor frequency	Not configured		
IA02	Analog input 2 assignment	AI Virtual 1	Not configured		
IA03	Analog input 3 assignment	AI Virtual 2	Not configured		
ADC	Automatic DC injection	Continuous DC injection	DC injection		
TUL	Autotuning input assignment	Digital input 5	Not assigned		

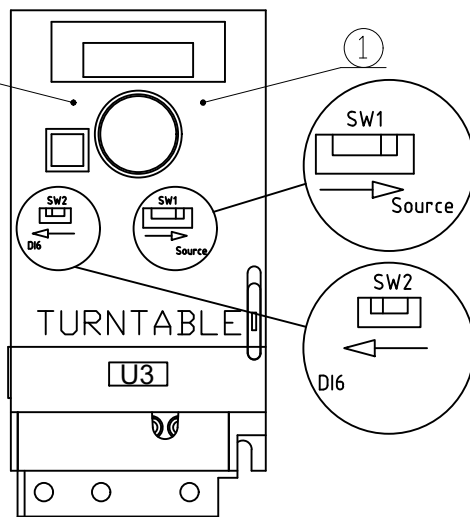
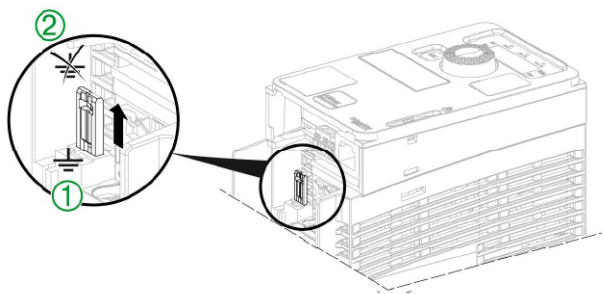
M I C R O S W I T C H E S

1	File di programmazione "TURNTABLE FS 390"	2				
1	Inverter monofase 0.37kW	1	Schneider		N51.5442	

Gebrauch Zchg. Usò del disegno	Stueckzahl Numero pezzi Rubrik Rubrica	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	
		Typ: Tipo:			Massstab Scala 1:1	Gezeichnet Disegnato Gepueft Controllato Geaendert Modificato Gesehen Visto	SCIENZA S. 04-10-2022
		<i>Inverter Turntable</i>					
		<i>FROMMM</i>					<i>FS3.3531</i>

Anderungen:
Modifiche:

②
HORSESHOE TURNTABLE FILE



M I C R O S W I T C H E S

HORSESHOE TURNTABLE FILE

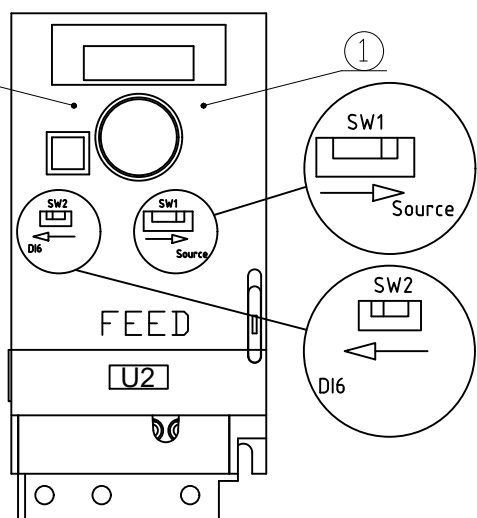
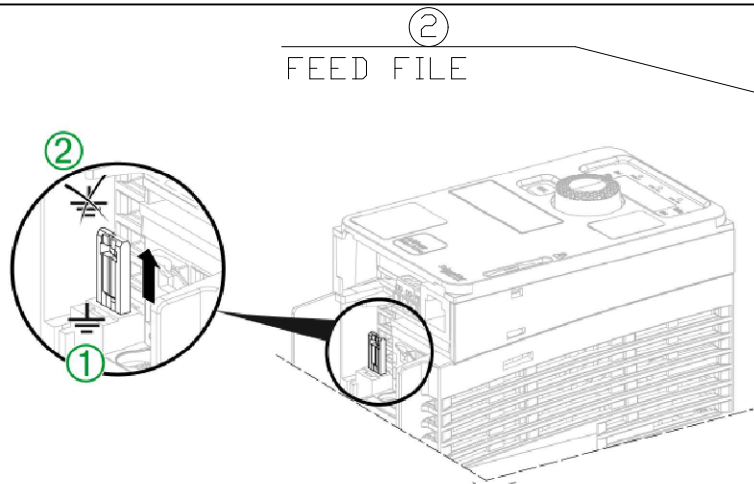
Code	Long Label	Conf0	Default Value	Min Value	Max Value
NPR	Nominal motor power	0.55 kW	0.37 kW	0.09 kW	0.75 kW
NCR	Nominal motor current	2.8 A	1.9 A	0.8 A	4.9 A
NSP	Nominal motor speed	1380 rpm	1425 rpm	0 rpm	65535 rpm
STUN	Tune selection	Measure	Default		
ITH	Motor Thermal current	2.8 A	1.9 A	0.6 A	4.9 A
ACC	Acceleration ramp time	4 s	3 s	0 s	999.9 s
DEC	Deceleration ramp time	4 s	3 s	0 s	999.9 s
HSP	High speed	60 Hz	50 Hz	0 Hz	60 Hz
DE2	Deceleration 2	0.5 s	5 s	0.1 s	999.9 s
TA3	Start DEC ramp rounding	0 %	10 %	0 %	100 %
SDC2	Auto DC injection level 2	0.8 A	1.6 A	0 A	3.9 A
RSA	AsyncMotor Stator resistance	15650 mOhm	0 mOhm	0 mOhm	65535 mOhm
LFA	AsyncMotor Leakage inductance	50.63 mH	0 mH	0 mH	655.35 mH
IDA	Magnetizing current	2.5 A	0 A	0 A	6553.5 A
TRA	Rotor time constant	48 ms	0 ms	0 ms	65535 ms
RSAS	Calculated SyncMotor Stator R	2740 mOhm	0 mOhm	0 mOhm	65535 mOhm
LDS	Sync motor d inductance	21.09 mH	0 mH	0 mH	655.35 mH
LQS	Sync motor q inductance	21.09 mH	0 mH	0 mH	655.35 mH
PHS	Sync. EMF constant	106.7 mV/rpm	0 mV/rpm	0 mV/rpm	6553.5 mV/rpm
L3A	DI3 assignment	Safe torque Off channel1	No		
L5A	DI5 assignment	Autotuning	No		
L6A	DI6 assignment	Ramp switching	No		
AI1A	AI1 assignment	Not assigned	Reference frequency 1		
AI3A	AI3 assignment	Reference frequency 1	Not assigned		
AV1A	AV1 assignment	IA02	Not assigned		
AV2A	AV2 assignment	IA03	Not assigned		
R2	R2 assignment	OL01	Not assigned		
FR1	Configuration reference frequency 1	AI3 Analog input	AI1 Analog input		
RIN	Reverse direction disable	Yes	No		
CHCF	Channel mode config.	Separated channel mode	Combined channel mode		
BNS	Program size	54	0	0	65535
BNV	Program format version	1	0	0	65535
CTV	Catalogue version	1	0	0	65535
FBRM	FunctionBlock start mode	Yes	Not assigned		
IL01	Logic input 1 assignment	Digital input 1	Not assigned		
IA01	Analog input 1 assignment	Motor frequency	Not configured		
IA02	Analog input 2 assignment	AI Virtual 1	Not configured		
IA03	Analog input 3 assignment	AI Virtual 2	Not configured		
RPS	Ramp switching assignment	Digital input 6	Not assigned		
TUL	Autotuning input assignment	Digital input 5	Not assigned		

1	File di programmazione "HORSESHOE TURNTABLE FS 390"	2			
1	Inverter monofase 0.37kW	1	Schneider		N51.5442

Gebrauch Zchg. Uso del disegno	Stueckzahl Numero pezzi	Gegenstand Oggetto	Pos.	Werkstoff Materiale	Gewicht/Stueck Peso/Pezzo	Bestand. 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	Gezeichnet Disegnato	SCIENZA S.	17-10-2022
	Inverter Horseshoe Turntable				1:1	Gepueft Controllato		
						Geaendert Modificato		
						Gesehen Visto		
				FROMMM	FS3.3535			

Aenderungen:
Modifiche:

M I C R O S W I T C H E S



FEED FILE

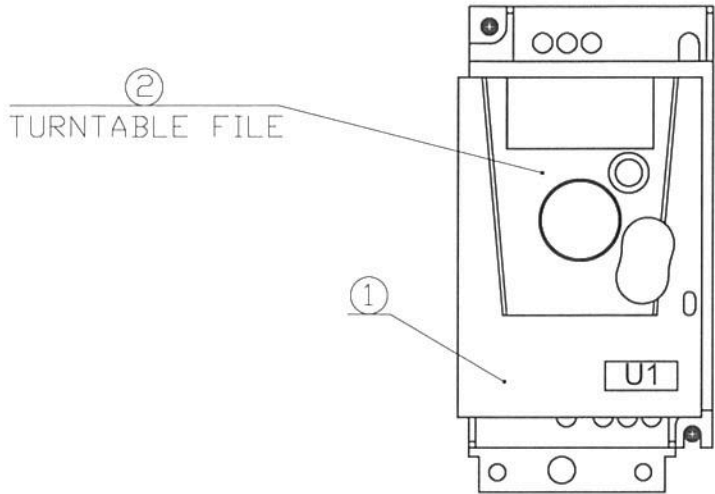
Code	Long Label	Conf0	Default Value	Min Value	Max Value
TFR	Max frequency	70 Hz	60 Hz	10 Hz	500 Hz
ITH	Motor Thermal current	1.8 A	1.9 A	0.6 A	4.9 A
ACC	Acceleration ramp time	0.1 s	3 s	0 s	999.9 s
DEC	Deceleration ramp time	0.1 s	3 s	0 s	999.9 s
HSP	High speed	70 Hz	50 Hz	0 Hz	70 Hz
RSA	AsyncMotor Stator resistance	2740 mOhm	0 mOhm	0 mOhm	65535 mOh
LFA	AsyncMotor Leakage inductance	21.09 mH	0 mH	0 mH	655.35 mH
IDA	Magnetizing current	1.5 A	0 A	0 A	6553.5 A
TRA	Rotor time constant	70 ms	0 ms	0 ms	65535 ms
RSAS	Calculated SyncMotor Stator R	2740 mOhm	0 mOhm	0 mOhm	65535 mOh
LDS	Sync motor d inductance	21.09 mH	0 mH	0 mH	655.35 mH
LQS	Sync motor q inductance	21.09 mH	0 mH	0 mH	655.35 mH
PHS	Sync. EMF constant	106.7 mV/rpm	0 mV/rpm	0 mV/rpm	6553.5 mV/r
L5A	DI5 assignment	Autotuning	No		
L6A	DI6 assignment	IL01	No		
AI1A	AI1 assignment	Not assigned	Reference frequency 1		
AI3A	AI3 assignment	Reference frequency 1	Not assigned		
R2	R2 assignment	OL01	Not assigned		
FR1	Configuration reference frequency 1	AI3 Analog input	AI1 Analog input		
RIN	Reverse direction disable	Yes	No		
FBST	FunctionBlock status	Stop	Not active		
BNS	Program size	25	0	0	65535
BNV	Program format version	1	0	0	65535
CTV	Catalogue version	1	0	0	65535
FBRM	FunctionBlock start mode	Digital input 6	Not assigned		
IL01	Logic input 1 assignment	Digital input 6	Not assigned		
DCI	DC injection assignment	Digital input 2	Not assigned		
TUL	Autotuning input assignment	Digital input 5	Not assigned		

1	File di programmazione "FEED FS 390"	2				
1	Inverter monofase 0.37kW	1	SCHNEIDER		N51.5442	

Freimass-Toleranzen/Tolleranze della misure libere	Gebrauch Zchg. Usa del disegno	Stueckzahl Numero pezzi	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	
			Typ: Tipo:			Massstab Scala	Gezeichnet Disegnato	SCIENZA S. 04-10-2022
		Inverter FEED				1:1	Gepueft Controllato	
		FROMM					Geaendert Modificato	
							Gesehen Visto	
								FS3.3533

Aenderungen:
Modifiche:

Ⓐ
Parameter
AdC set to
Ct and
parameter
SdC1 set to
0,8A.



"FS360_TURNTABLE_INVERTER" FILE

Code	Long Label	Current Value	▼	Default Value	Min Value	Max Value
LO1	LO1 assignment	Drv running	✔	No		
NCR	Nominal motor current	2.8 A	✔	2.9 A	0.8 A	5.2 A
NSP	Nominal motor speed	1380 rpm	✔	1400 rpm	0 rpm	24000 rpm
SFR	Drive switching freq.	2 kHz	✔	4 kHz	2 kHz	16 kHz
ACC	Acceleration ramp time	4 s	✔	3 s	0 s	999.9 s
DEC	Deceleration ramp time	3.5 s	✔	3 s	0 s	999.9 s
BRA	Decel ramp adaptation	High torq. A	✔	Yes		
ADC	Automatic DC injection	Continuous	✔	Yes		
SDC1	Auto DC injection level 1	0.8 A	✔	1.9 A	0 A	4.2 A
PS2	2 preset speeds assign.	LI3 high	✔	No		

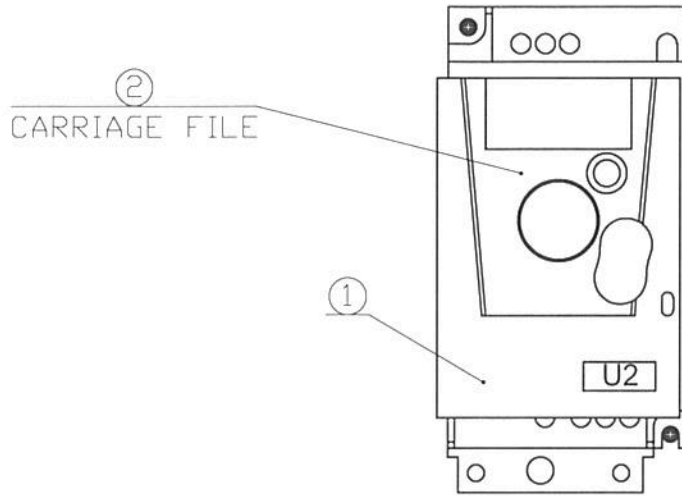
1	File di programmazione "FS360_Turntable_Inverter"	2			FS360_Turntable_Inverter	
1	Inverter monofase 0.55kW	1	SCHNEIDER		N51.5461	

Gebrauch Zeich.
Usa 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: Ⓐ 17/05/2018 Simone Scienza Modifiche:			Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da	
Typ: Tipo:	Turntable Inverter			Massstab Scala 1:1	Gezeichnet Disegnato SCIENZA S. 03-07-2017	
	FROMMM				Gepuert Contrallato	
					Geeendert Modificato	
					Gesehen Visto	
						FS1.2636

Aenderungen:
Modifiche:

ⓐParameter
AI1T set to
5V.



"FS360_Carriage_Inverter" FILE

Code	Long Label	Current Value	▼	Default Value	Min Value	Max Value
CRL1	AI1 minimum value	0.3 mA		4 mA	0 mA	20 mA
SFR	Drive switching freq.	2 kHz		4 kHz	2 kHz	16 kHz
ACC	Acceleration ramp time	0.3 s		3 s	0 s	999.9 s
DEC	Deceleration ramp time	0.1 s		3 s	0 s	999.9 s
BRA	Decel ramp adaptation	High torq. A		Yes		
RRS	Reverse input assignment	LI2 high		No		
LSP	Low speed	30 Hz		0 Hz	0 Hz	60 Hz
HSP	High Speed	60 Hz		50 Hz	30 Hz	60 Hz

1	File di programmazione "FS360_Carriage_Inverter"	2			FS360_Carriage_Inverter	
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1	Inverter monofase 0.18kW	1	SCHNEIDER		N51.5459	
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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: ⓐ 24/01/2018. Scienza S.		Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce		
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Freimass-Toleranzen/Tolleranze della misure libere	Typ: Tipo:	<i>Carriage Inverter</i>	Masstab Scala	Gezeichnet Disegnato	SCIENZA S.	03-07-2017
	<i>Carriage Inverter</i>		1:1	Geprueft Controllato		
				Geaendert Modificato		
				Gesehen Visto		

Freimass-Toleranzen/Tolleranze della misure libere	<i>FROMMM</i>	<i>FS1.2637</i>
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Gebrauch Zchg.
Uso del disegno

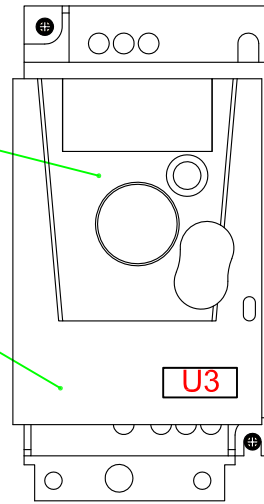
Aenderungen:
Modifiche:

Ⓐ Parameter
HSP set to
60Hz.

Ⓑ Parameter
TDC1 set
to 10s.

②
STRETCH FILE

①



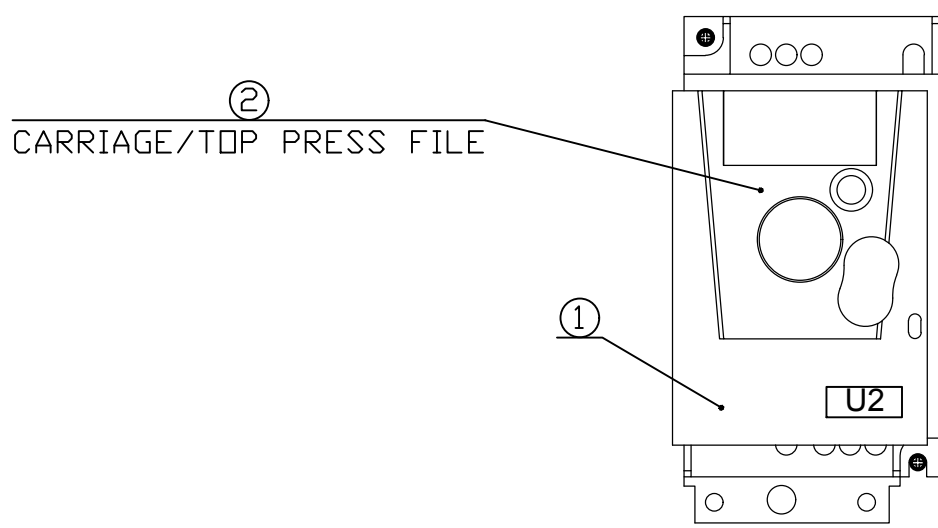
"FS360_Stretch_Inverter" FILE

Code	Long Label	Current Value	▼	Default Value	Min Value	Max Value
AI1T	Configuration of AI1	Voltage		5V		
LO1	LO1 assignment	Freq.Th.att.		No		
FTD	Motor freq. threshold	5 Hz		50 Hz	0 Hz	400 Hz
NCR	Nominal motor current	1.8 A		1.9 A	0.6 A	3.6 A
NSP	Nominal motor speed	2780 rpm		1400 rpm	0 rpm	24000 rpm
TFR	Max. output frequency	80 Hz		60 Hz	10 Hz	400 Hz
RIN	Reverse direction inhibit.	Yes		No		
ACC	Acceleration ramp time	0.5 s		3 s	0 s	999.9 s
DEC	Deceleration ramp time	0.5 s		3 s	0 s	999.9 s
BRA	Decel ramp adaptation	No		Yes		
SDC1	Auto DC injection level 1	2 A		1.2 A	0 A	2.8 A
TDC1	Auto DC injection time 1	10 s		0.5 s	0.1 s	30 s
HSP	High Speed	60 Hz		50 Hz	0 Hz	80 Hz

1	File di programmazione "FS360_Stretch_Inverter"	2			FS360_Stretch_Inverter
1	Inverter monofase 0.37kW	1	SCHNEIDER		N51.5460

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: Ⓐ 24/01/2018. Scienza S. Ⓑ 26/04/2022. Scienza S.				Keine Nessuna Stueckliste separat Lista pezzi separata	Ersetzt durch Sostituito da Ersatz fuer Sostituisce	
	Typ: Tipo:			Masstab Scala		Gezeichnet Disegnato	SCIENZA S. 03-07-2017
	Stretch Inverter			1:1		Gepueft Controllato	
FROMMM					Gesehen Visto		FS1.2638

Aenderungen:
Modifiche:



"FS360_Carriage/TopPress_Inverter" FILE

Code	Long Label	Current Value	▼	Default Value	Min Value	Max Value
CRL1	AI1 minimum value	0.3 mA		4 mA	0 mA	20 mA
NSP	Nominal motor speed	2800 rpm		1400 rpm	0 rpm	24000 rpm
SFR	Drive switching freq.	2 kHz		4 kHz	2 kHz	16 kHz
ACC	Acceleration ramp time	0.3 s		3 s	0 s	999.9 s
DEC	Deceleration ramp time	0.1 s		3 s	0 s	999.9 s
BRA	Decel ramp adaptation	High torq. A		Yes		
RRS	Reverse input assignment	LI2 high		No		
PS2	2 preset speeds assign.	LI4 high		No		
SP2	Preset speed 2	50 Hz		10 Hz	0 Hz	400 Hz
LSP	Low speed	30 Hz		0 Hz	0 Hz	60 Hz
HSP	High Speed	60 Hz		50 Hz	30 Hz	60 Hz

1	File di programmazione "FS360_Carriage/TopPress_Inverter"	2		FS360_Carriage/TopPress_Inverter
1	Inverter monofase 0.37kW	1		N51.5460

Gebrauch Zchg. Uso del disegno	Stueckzahl Numero pezzi Rubrik Rubrica	Gegenstand Oggetto	Pos.	Werkstoff Materiale kg.	Genicht/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:			Massstab Scala 1:1	Gezeichnet Disegnato SCIENZA S.	12/06/2020
		Carriage/TopPress Inverter				Gepueft Controllato Geaendert Modificato Gesehen Visto	
		FROMM				FS1.3115	