



Product Service

CERTIFICATE

No. Z10 080353 0007 Rev. 02

Holder of Certificate: **Fagor Automation, S. Coop.**

San Andrés 19
20500 Arrasate - Mondragón
SPAIN

Certification Mark:



Product: **Safety components
Safe Torque Off (STO)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 717504886

Valid until: 2028-01-12

Date, 2023-01-16

(Guido Neumann)



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Parameters: Supply voltage: 24VDC ± 10%
 Current: <50mA
 Operating temperature: +5°C...+45°C

Tested according to: IEC 61800-5-1:2007/AMD1:2016
 IEC 61800-5-2:2016 (SIL 2)
 IEC 61508-1:2010 (SIL 2)
 IEC 61508-2:2010 (SIL 2)
 IEC 61508-3:2010 (SIL 2)
 IEC 61508-4:2010 (SIL 2)
 EN ISO 13849-1:2015 (Cat 3, Pl d)

Model(s): Drive module AXD / SPD
 Equipment with date in serial number greater than
 xxxxxxxx1205xxxxxx meet this certification

MODULAR AXIS DRIVE, AXD

X . XXX - XX - X - X X
 (A) (B) (C) (D) (E) (F)

(A) SIZE	1	77 mm < 08, 15, 25, 35 >
(width)	2	117 mm < 50, 75 >
	3	234 mm < 100, 150 >

(B) CURRENT (A)	08	4.0 / 8.0
IS1, I _{max}	15	7.5 / 15.0
for IGBT switching	25	12.5 / 25.0
frequencies	35	17.5 / 35.0
of 4 / 8 kHz.	50	23.5 / 47.0
	75	37.5 / 75.0
	100	50.0 / 100.0
	150	75.0 / 150.0

(C) INTERFACE	A1	Analog I/O
	S0	SERCOS II
	SI	SERCOS II and Analog I/O
	SD	SERCOS II Analog and Digital 8I/16O

(D) ADDITIONAL FEEDBACK FEATURES	0	None
	1	Encoder Simulator
	2	Direct Feedback
	3	Gap Control

(E) MOTOR FEEDBACK BOARD	None	CAPMOTOR-1
	B	CAPMOTOR-2

(F) LINE VOLTAGE		400-460 Vac
	-L	200-240 Vac

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MODULAR SPINDLE DRIVE, SPD

X . XXX - XX - X - X X X
 (A) (B) (C) (D) (E) (F) (G)

(A) SIZE	1	77 mm < 15, 25, 35 >
(width)	2	117 mm < 50, 75, 85 >
	3	234 mm < 100, 150, 200, 250 >

(B) CURRENT (A)	for $f_c = 4$ kHz	
IS1 / I _{max}		
f_c : IGBT's switching frequencies		
	15	10.5 / 13.7
	25	16.0 / 20.8
	35	23.1 / 30.0
	50	31.0 / 40.3
	75	42.0 / 54.6
	85	50.0 / 65.0
	100	70.0 / 91.0
	150	90.0 / 117.0
	200	121.0 / 157.3
	250	135.0 / 175.5
	for $f_c = 8$ kHz	
	15	10.5 / 11.6
	25	13.0 / 16.9
	35	18.0 / 23.4
	50	27.0 / 35.1
	75	32.0 / 41.6
	85	37.0 / 48.1
	100	56.0 / 72.8
	150	70.0 / 91.0
	200	97.0 / 126.1
	250	108.0 / 140.4

(C) INTERFACE	A1	Analog I/O
	S0	SERCOS II
	SI	SERCOS II and Analog I/O

(D) ADDITIONAL FEEDBACK FEATURES	0	None
	1	Encoder Simulator
	2	Direct Feedback

(E) MOTOR FEEDBACK BOARD	None	CAPMOTOR-1
	B	CAPMOTOR-2

(F) LINE VOLTAGE		400-460 Vac
	-L	200-240 Vac

(G) DUAL-USE	None	No
	-MDU	Yes