



Product Service

CERTIFICATE

No. Z10 17 03 72237 110

Holder of Certificate: Shenzhen INVT Electric Co., Ltd.No.4 Building, Gaofa Industrial Park
Longjing, Nanshan District
518055 Shenzhen
PEOPLE'S REPUBLIC OF CHINA**Factory(ies):**

96972

Certification Mark:**Product:**

Safety components

Model(s):Goodrive GD20 (see nomenclature)
EC-FS101-24**Parameters:**

Indoor installation	
Temperature range:	-10°C ~ +50°C
Humidity:	Below 90% RH
Altitude:	Below 2000m
Ple (d), CAT3 SIL3 (2)	depending from model (see nomenclature)

Tested according to:

EN 61800-5-1:2007
 EN 61800-5-2:2016
 IEC 61800-5-1(ed.2)
 IEC 61800-5-2(ed.2)
 EN 61508-1:2010
 EN 61508-2:2010
 IEC 61508-1(ed.2)
 IEC 61508-2(ed.2)
 EN 62061:2005/A2:2015
 IEC 62061(ed.1);am1;am2
 EN ISO 13849-1:2015
 ISO 13849-1:2015

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. See also notes overleaf.

Test report no.: SS90809T**Valid until:** 2022-04-06**Date,** 2017-04-07

(Guido Neumann)

Page 1 of 3





ATTACHMENT TO CERTIFICATE
No. Z10 17 03 72237 110

Nomenclature of GD20

Type designation key

GD20 - 055G - 4 - B - EU
I II III IV V

Key	NO.	Instruction	Content
Product abbreviation	I	Abbreviation for product series	GD20: GD20 is short for Goodrive20
Rated power	II	Power range + load type	055: 55kW; G - Constant torque load
Voltage degree	III	Voltage degree	S2: 1PH (-15%)V~240V(+10%) 2: 3PH 220V (-15%)V~240V(+10%) 4: 3PH 380V (-15%)V~440V(+10%)
Additional remark 1	IV	Built-in braking unit	Null: Built-in braking unit is standard configuration for models <37kW
			-B Built-in braking unit is optional for models >45kW, -B is its built-in braking unit model
Additional remark 2	V		EU: Built-in safety torque stop function

Rated value

Model	Voltage class	Output power (KW)	Input current (A)	Output current (A)	STO function
GD20-0R4G-S2-EU	1PH 220V	0,4	6,5	2,5	Class SIL2 PLd CAT.3
GD20-0R7G-S2-EU		0,75	9,3	4,2	
GD20-1R5G-S2-EU		1,5	15,7	7,5	
GD20-2R2G-S2-EU		2,2	24	10	
GD20-0R4G-2-EU	3PH 220V	0,4	3,7	2,5	Class SIL2 PLd CAT.3
GD20-0R7G-2-EU		0,75	5	4,2	
GD20-1R5G-2-EU		1,5	7,7	7,5	Class SIL3 PLe CAT.3
GD20-2R2G-2-EU		2,2	11	10	
GD20-004G-2-EU		4	17	16	
GD20-5R5G-2-EU		5,5	21	20	
GD20-7R5G-2-EU		7,5	31	30	



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No. Z10 17 03 72237 110**

Model	Voltage class	Output power (KW)	Input current (A)	Output current (A)	STO function
GD20-0R7G-4-EU	3PH 380V	0,75	3,4	2,5	Class SIL2 PLd CAT.3
GD20-1R5G-4-EU		1,5	5,0	4,2	
GD20-2R2G-4-EU		2,2	5,8	5,5	
GD20-004G-4-EU		4	13,5	9,5	Class SIL3 PLd CAT.3
GD20-5R5G-4-EU		5,5	19,5	14	
GD20-7R5G-4-EU		7,5	25	18,5	
GD20-011G-4-EU		11	32	25	
GD20-015G-4-EU		15	40	32	
GD20-018G-4-EU		18,5	47	38	
GD20-022G-4-EU		22	51	45	
GD20-030G-4-EU		30	70	60	
GD20-037G-4-EU		37	80	75	
GD20-045G-4-EU		45	98	92	
GD20-045G-4-B-EU		45	98	92	
GD20-055G-4-EU		55	128	115	
GD20-055G-4-B-EU		55	128	115	
GD20-075G-4-EU		75	139	150	
GD20-075G-4-B-EU		75	139	150	
GD20-090G-4-EU		90	168	180	
GD20-090G-4-B-EU		90	168	180	
GD20-110G-4-EU	110	201	215		
GD20-110G-4-B-EU	110	201	215		