



Part numbers: GK20....., Gk24....., GK32..., GK40..., GK63.....,



General					GK20	GK24	GK32	GK40	GK63
Type									
Standards					IEC/EN 61095 , IEC/EN 60947-4-1, IEC/EN 60947-5-1				
Approvals									
Module width					1	2	2	3	3
Mechanical endurance			op. c.		3 x 10 ⁶				
Ambient temperature			°C		-5 ... +55				
Storage temperature			°C		-30 ... +80				
No. of contactors (side-by-side)			≤ 40° C 40 - 55° C		Max. 3 Max. 2				
Contact reliability					17 V; ≥ 50 mA				
Min. distance of open			mm		3.6				
Power dissipation per pole			W		1.7	2.2	2.2	4	8
Overload current withstand			A		72	68	68	176	240
Max. back-up fuse for short-circuit protection gL			I v	A	20	25	32	63	80
Max. operating frequency	DC-1 AC-1/AC-3/AC-5b/AC-15 no load		op. c./h		300 600 1200 3000				
Weight			kg		0,13	0,24	0,24	0,42	0,42
Main Circuit									
Rated insulation voltage			U i	V	230	440	440		
Rated impulse withstand			U imp	kV	4				
Thermal current			I th	A	20	25	32	40	63
Rated operational voltage			U e	V	230	400	400		
Rated frequency			f	Hz	50/60				
Rated operational current	AC-1/AC-7a		I e	A	20	25	32	40	63
Operational power AC-1/AC-7a	single-phase	230 V	P e	Kw	4	5.4	5.4	8.7	13.3
	three-phase	230 V			-	9	9	16	24
	three-phase	400 V			-	16	16	26	40
Electrical endurance	AC-1/AC-7a		op. c.		200,000			100,000	
Rated operational current	AC-3/AC-7b		I e	A	NO: 9 NC: 6	8.5	8.5	22	30
Operational power AC-3/AC-7b	single-phase	230 V	P e	Kw	NO:1.3/NC:0.	1.3 1)	1.3 1)	3.7 1)	5 1)
	three-phase	230 V			75	2.2	2.2	5.5	8.5
	three-phase	400 V			-	4	4	11	15
Electrical endurance	AC-3/AC-7b		op. c.		300,000	500,000	500,000	150,000	
Switching of capacitors	AC-6b	230V	C	μF	30	36	36	220	330
Electrical endurance	AC-6b		op. c.		100,000				



Dokument/document		Utgava datum/edition date
Försäkran om överensstämmelse/ Declaration of conformity		29/06/2016
Avdelning/department Kvalite/Quality		
Ansvarig/prepared Magnus Arvidsson	Version 5	Sida/page 1 av/of 1

Supplier/Tillverkare: **GARO AB**
Box 203
S-335 25 GNOSJO Telephone: +46 (0)370 33 28 00
Sweden Telefax: +46 (0)370 33 28 50

Supplier established within EU/Ombud etablerad inom EG Telephone:
Telefax:

Supplier of equipment /Materielslag : Contactor, Trade Mark/ Varumärke:

GARO

Type Designation / Typbeteckning: GK ... Contactor.

We hereby declare that our product fulfils the requirements of following EC directives/
Vi intygar härmed att vår produkt uppfyller krav enligt följande EU direktiv:

- The Low Voltage Directive (LVD) 2014/35/EU / Lågspänningsdirektivet (LVD) 2014/35/EU.
- Electromagnetic compatibility (EMC) 2004/108/EU / Elektromagnetisk kompatibilitet (EMC) 2004/108/EG.
- RoHS Directive (RoHS) 2011/65/EU / RoHS direktivet (RoHS) 2011/65/EG.
- No electromagnetic compatibility (EMC) immunity or emission tests are required on the assembly/
Produkten innehåller inte elektroniska apparater som påverkas enligt förbehållen enligt direktivet
(EMC) 2004/108/EG.

The following harmonised standards (latest edition) or technical specifications which comply with good engineering practice in safety matters in force within the EU have been used in the design: /

Följande harmoniserade standarder (senaste utgåva) eller tekniska specifikationer som uppfyller god säkerhetsteknik praxis inom EG har använts i konstruktionen: IEC/EN 61095 , IEC/EN 60947-4-1, IEC/EN 60947-5-1

- The equipment conforms completely with the above stated harmonised standards or technical specifications. /
Materielen överensstämmer helt med ovan angivna harmoniserade standarder eller tekniska specifikationer.

Or/eller

- The equipment confirms only partially with the above stated harmonised standards or technical specifications but complies with good practice in safety matters in force within the EU. /
Materielen överensstämmer endast delvis med ovan angivna harmoniserade standarder eller tekniska specifikationer, men uppfyller god säkerhetsteknik praxis inom EG.

We have product surveillance according to CENELEC's harmonised requirements, documents CCA-201.

Garo AB
Company/Företag

2016-06-29
Date/Datum

Sign/Underskrift

Environmental- and Quality Manager/Kvalitets- och Miljöchef
Position/Befattning

Magnus Arvidsson
Name / Namnförtydligande