

## GHG 618 installation contactor 20 A up to 32 A



20 A 2-pole



24 A 4-pole



32 A 4-pole

### Technical data

#### Installation contactor 20 A up to 32 A

Marking accd. to 94/9/EC	Ⓔ II 2 G Ex de IIC/IIB Gb /Ⓔ I M2 Ex de I			
EC-Type Examination Certificate	PTB 98 ATEX 1087 U			
IECEX Certificate of Conformity	IECEX BKI 07.0038 U			
Marking accd. to IECEx	Ex de IIC			
Operating temperature range	-55 °C up to +110 °C (size 1, 2 - IIC) -20 °C up to +110 °C (size 3, 4 - IIC) -55 °C up to +110 °C (size 3, 4 - IIB)			
Application temperature <sup>1)</sup>	-20 °C up to +55 °C (size 3, 4 - IIC) -55 °C up to +55 °C (size 0, 1, 2 - IIC; size 3, 4 - IIB)			
Contactor	20 A	24 A	32 A	
Rated voltage	main contact	max. 250 V	440 V	440 V
	aux. contact		440 V	440 V
	Control voltage A1-A2	24 V up to 400 V AC 50-60 Hz		
Rated current	main contact NC	20 A	24 A	32 A
	main contact NO	20 A	24 A	32 A
	aux. contact		6 A	6 A
Rated making/breaking capacity accd. to EN 60947-4-1				
main contact AC-1 - U <sub>e</sub> 230 V	P <sub>e</sub> 4.0 kW	P <sub>e</sub> 9.0 kW	P <sub>e</sub> 15.2 kW	
main contact AC-1 - U <sub>e</sub> 400 V	–	P <sub>e</sub> 16 kW	P <sub>e</sub> 26 kW	
main contact AC-3 - U <sub>e</sub> 230 V	P <sub>e</sub> 1.3 kW	P <sub>e</sub> 2.2 kW	P <sub>e</sub> 5.5 kW	
main contact AC-3 - U <sub>e</sub> 400 V	–	P <sub>e</sub> 4.0 kW	P <sub>e</sub> 11 kW	
DC-3 1 current path U <sub>e</sub> 60 V/230 V	–	I <sub>e</sub> 4 A/0.2 A	I <sub>e</sub> 5 A/0.3 A	
DC-3 2 current paths U <sub>e</sub> 60 V/230 V	–	I <sub>e</sub> 14 A/1.0 A	I <sub>e</sub> 16 A/1.1 A	
DC-3 3 current paths U <sub>e</sub> 60 V/230 V	–	I <sub>e</sub> 24 A/4.0 A	I <sub>e</sub> 34 A/4.5 A	
aux. contact up to U <sub>e</sub> 230 V	–		I <sub>e</sub> 4 A	
aux. contact up to U <sub>e</sub> 400 V	–	I <sub>e</sub> 3 A	I <sub>e</sub> 3 A	
Back-up fuse	20 A gL	35 A gL	63 A gL	
Connecting terminals				
main contact	2 x 10 mm <sup>2</sup> fine wire with wire end sleeve/single wire			
aux. contact/Control A1-A2	2 x 2.5 mm <sup>2</sup> fine wire with wire end sleeve/single wire			
Weight	0.55 kg size 0	1.2 kg size 3	1.65 kg size 4	
Enclosure material	glass-fibre reinforced polyester			
Enclosure colour	black			
Options	aux. contact			

<sup>1)</sup> The limits of the operating temperature range and the max. permissible temperature rise of the components have to be taken into account. See also pages 2.6.37.



**20 A 2-pole**

**Installation contactor 20 A (Module size 0 - 35 mm)**

Control voltage A1 - A2		Contacts	Order No.
50 Hz	60 Hz		
24 V	27 ... 28 V	2 NO	<b>GHG 618 0001 R0010</b>
24 V	27 ... 28 V	2 NC	<b>GHG 618 0001 R0011</b>
24 V	27 ... 28 V	1 NO / 1 NC	<b>GHG 618 0001 R0012</b>
42 V	48 V	2 NO	<b>GHG 618 0001 R0007</b>
42 V	48 V	2 NC	<b>GHG 618 0001 R0008</b>
42 V	48 V	1 NO / 1 NC	<b>GHG 618 0001 R0009</b>
110 V	125 ... 127 V	2 NO	<b>GHG 618 0001 R0004</b>
110 V	125 ... 127 V	2 NC	<b>GHG 618 0001 R0005</b>
110 V	125 ... 127 V	1 NO / 1 NC	<b>GHG 618 0001 R0006</b>
230 V	255 V	2 NO	<b>GHG 618 0001 R0001</b>
230 V	255 V	2 NC	<b>GHG 618 0001 R0002</b>
230 V	255 V	1 NO / 1 NC	<b>GHG 618 0001 R0003</b>
231 ... 244 V	240 V	2 NO	<b>GHG 618 0001 R0016</b>
231 ... 244 V	240 V	2 NC	<b>GHG 618 0001 R0017</b>
231 ... 244 V	240 V	1 NO / 1 NC	<b>GHG 618 0001 R0018</b>
400 V		2 NO	<b>GHG 618 0001 R0013</b>
400 V		2 NC	<b>GHG 618 0001 R0014</b>

## GHG618 installation contactor 24 A up to 32 A



24 A 4-pole



32 A 4-pole

# GHG 618 3118 RXXXX

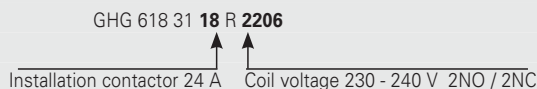
Coil voltage / Contacts

### Ordering details Type: 24 A (Module size 3) - 70 mm

Control voltage	Contacts HK (XXXX)			
AC 40 – 400 Hz/DC	1 NO / 3 NC	2 NO / 2 NC	3 NO / 1 NC	4 NO
24 V	1301	2201	3101	4001
42 V	1302	2202	3102	4002
48 V	1303	2203	3103	4003
110 ... 120 V	1304	2204	3104	4004
230 ... 240 V	1306	2206	3106	4006
400 ... 415 V	1307	2207	3107	4007
Control voltage	Contacts HK (XXXX)			
AC 40 – 400 Hz/DC	1 NO / 2 NC + 1 ac	2 NO / 1 NC + 1 ac	3 NO + 1 ac	
12 V	1309	2209	3109	
24 V	1311	2211	3111	
110 ... 120 V	1314	2214	3114	
230 ... 240 V	1316	2216	3116	
400 ... 415 V	1317	2217	3117	

#### Example

GHG 618 3118 RXXXX



# GHG 618 4109 RYYYY

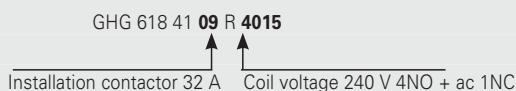
Coil voltage / Contacts

### Ordering details Type: 32 A (Module size 4 - 105 mm)

Control voltage	Contacts HK (XXXX)		
AC 40 – 400 Hz/DC	4 x NO	4 x NO + 1NC (ac)	4 x NO + 1NO (ac)
24 V	4001	4011	4101
48 V	4003	4013	4103
110 V	4004	4014	4104
240 V	4005	4015	4105
230 V	4006	4016	4106
400 V	4007	4017	4107
415 V	4008	4018	4108

#### Example

GHG 618 41 09 RYYYY



HK = main contact

ac = aux. contact



32 A 4-pole

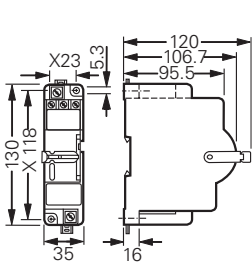


24 A 4-pole

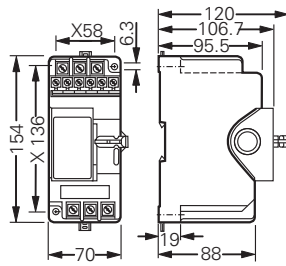


20 A 2-pole

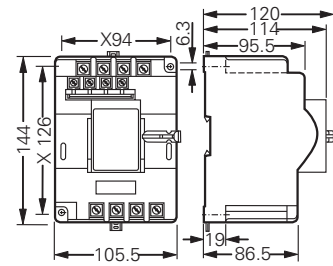
Dimension drawing | Termination diagram



Module size 0

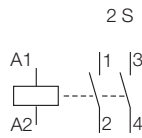


Module size 3

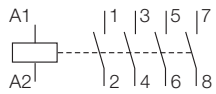


Module size 4

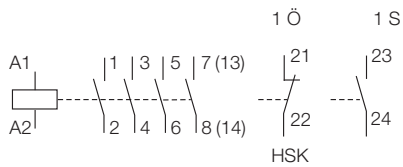
X = fixing dimension



Installation contactor 20 A



Installation contactor 24 A



Installation contactor 32 A

Ac = aux. contact