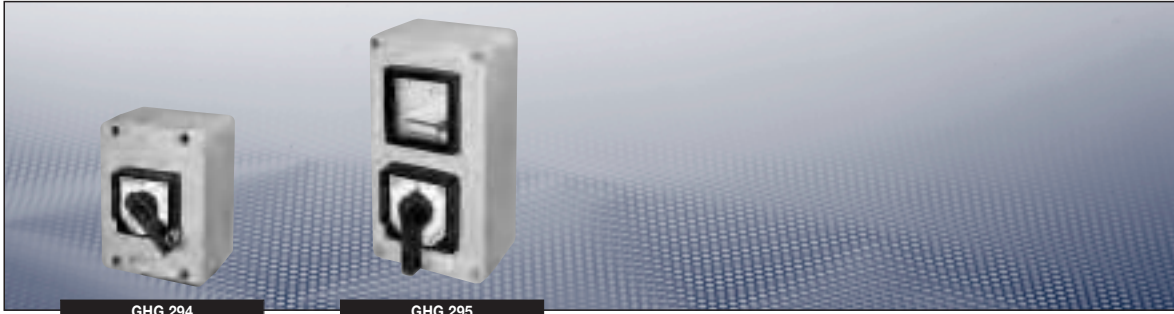


Technical data

Ex-Control switch Type 294 without and Type 295 with measuring instrument		
	with GHG 29	with GHG 28
Marking to 94/9/EC	II G Ex ad ia IIC T5/T6 II D Ex tD A21 IP66 T80 °C	
EC-Type Examination Certificate	PTB 99 ATEX 1163	
IECEX Certificate of Conformity	IECEX BK1 07.0011	
Marking accord. to IECEx	Ex ed ia IIC T5 or T6 Ex tD A21 IP66 T49 °C	
Permissible ambient temperature	-20 °C to +40 °C	
	-55 °C to +47 °C (T6) ... +55 °C (T5) option	
Rated voltage	max. 500 V	max. 690 V
Rated current	16 A	20 A
Rated current gold contacts	0.4 A	
Overload range (Type 293 only)	10 fold - 25 sec.	
	25 fold - 4 sec.	
	50 fold - 1 sec.	
	indicated 1 : 1.5	
Measuring range (Type 293 only)	max. 0 - 25 A direct / n / 1A	
Accuracy (Type 293 only)	Class 2.5	
Circuit (Type 293 only)	moving iron	
Switch rating AC 3	500 V/10 A	690 V/10 A 500 V/16 A 400 V/20 A
Switch rating DC 13	24 V/6 A / 60 V/0.8 A / 110 V/0.5 A / 230 V/0.3 A	
Connecting terminals	2 x 0.5 - 2.5 mm ² or 1 x 1.0 - 6.0 mm ²	
Degree of protection accord. EN 60529	IP66	
Cable glands/Gland plates/Enclosure drilling	1 x M25 (Ø 8 - 17 mm)*	
Dimensions (L x W x H)	170 x 130 x 129 mm	260 x 160 x 90 mm
Weight	approx. 1.90 kg (1 level)	
	approx. 2.05 kg (2 level)	
Enclosure material	high quality cast aluminium (AlSi)	
Enclosure colour	grey RAL 7031	

* Control switches with direct indicating measuring instruments in the standard version are delivered with 2 looping terminals and PE terminal as well as M32 and M25 cable entries.

Ex-Control switches



GHG 294

GHG 295

Ordering code for Control switch (Code 2) Code A - B1 - B2 - C - D - E1 - E2 - F

A	B1	B2	C	D	E	E2	F 1)
GHG 29_	_	_	_	_	_	_	_

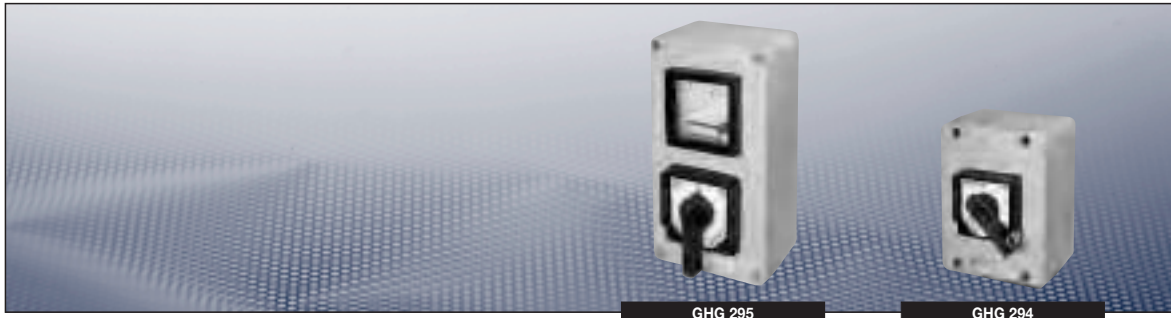
Code	Component	Code
A	Control switch	GHG 294
	Control switch with measuring instrument	GHG 295

Code	Switch mechanism	Code
B1	spring - engaging - spring	4
	engaging - engaging - engaging	5
	engaging - engaging	6
	spring - engaging - engaging	7
	engaging - engaging - spring	8

Code	Contact	Silver contact points	Code	Silver contact points
B2		060		034
		062		037
		065		049
		061		023
		063		019
		067		033
		011		024

Other versions as well as gold contact points are available on request.

Code	Contact label	Inscription	Code	Inscription	Code
C		0	I	001	0 I II 018
		I	II	002	AUS AUTO EIN 019
		STOP	START	003	AUS HAND AUTO 020
		HAND	AUTO	004	ÖRTLICH AUS FERN 021
		SENKEN	HEBEN	005	START NORMAL STOP 022
		REMOTE	LOCAL	006	OFF 0 ON 023
		I	0 II	007	HAND OFF AUTO 024
		AUS	BETRIEB EIN	008	0 IN START 025
		AUS	0 EIN	009	MAN AUTO 026
		AUF	0 AB	010	START STOP 027
		Entriegelt	0 Verriegelt	011	HEBEN SENKEN 028
		OUT	OF HAND	012	OFF ON 029
		LOCAL	REMOTE AUTO	013	AUS EIN 030
		STOP	0 START	014	HAND AUTO 031
		HAND	0 AUTO	015	ON OFF 032
		AUF	AUS ZU	016	I II III 033
		HAND	AUS AUTO	017	



GHG 295

GHG 294

Ordering code for Control switch (Code 2) Code A - B1 - B2 - C - D - E1 - E2 - F

Code	Locking facility	Code
D	None <input type="checkbox"/>	0
	Centre <input type="checkbox"/>	1
	Left <input type="checkbox"/>	2
	Right <input type="checkbox"/>	3

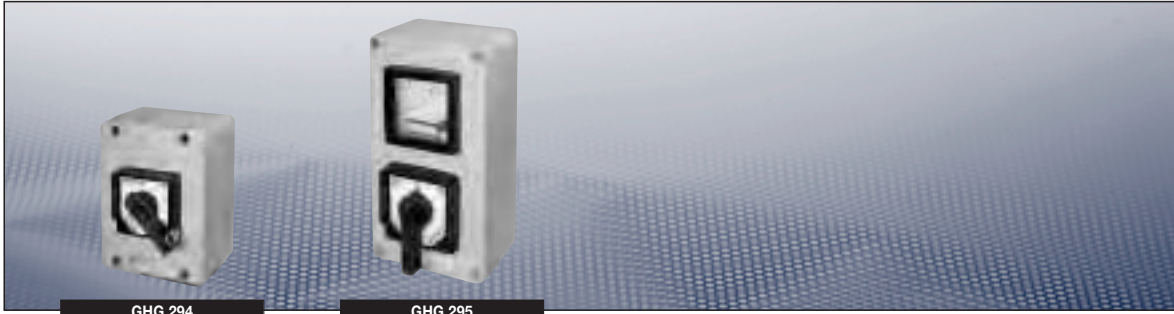
Code	Movement	Code
E1	Direct connection	01
	Ct connection 1 /A	02
	Connection 0 - 20/24 mA (scale 0-100% / 120%)	05
	Connection 4 - 20/24 mA (scale 0-100% / 120%)	06
	Moving-coil connection 0 - 20/24 mA (scale 0-100% / 120%)	07
	Moving-coil connection 4 - 20/24 mA (scale 0-100% / 120%)	08

Code	Mesasuring range/scale	Code	Measuring range/scale	Code
E2	0 - 1	002	0 - 75 /112.5 A	013
	0 - 2.5 / 3.75 A ²⁾	003	0 - 100 / 150 A	014
	0 - 5 / 7.5 A ²⁾	004	0 - 150 / 225 A	015
	0 - 10 / 15 A ²⁾	005	0 - 200 / 300 A	016
	0 - 15 / 22.5 A	006	0 - 250 / 375 A	017
	0 - 20 / 30 A ²⁾	008	0 - 300 / 450 A	018
	0 - 30 / 45 A	009	0 - 400 / 600 A	019
	0 - 40 / 60 A	010	0 - 500 / 750 A	020
	0 - 50 / 75 A	011	0 - 600 / 900 A	021
	0 - 60 / 90 A	012	0 - 100% / 150%	031

Code	Buil-in components designation		
F1	Entry type	Entry direct in enclosure	GEH
		Entry via plastic flange	FLK
		Entry via metal flange	FLM
F2	Entry element	only threaded entry	BO
		Threaded plug	SV
		Cable entry moulded plastic	GK
		Cable entry metal*	GM*
		Cable entry with plug	GV
			M1 Ø ..
F3	Size	M12, M16, M20, M25, M32, M40	M1 Ø ..
F4	Number	Ø21, Ø26	..
		No. of entries	..

¹⁾ The code will represent only a selected part of configuration.

Ex-Control switches



GHG 294

GHG 295

Example for ordering code (Code 2)

Control switch with silver contact points, Switch mechanism „5“, Contact arrangement „063“,

Label „HAND-0-AUTO“, can be locked at „0“,

Measuring instrument AM72 for Ct connection „n/1A“, Scale „0 - 50/75 A“,

Cable entry 1 x threaded entry M25 on bottom direct entry.

Code	B1	B2	C	D	E1	E2	F1	F2	F3	F4
GHG 295 /	5 /	063 /	015 /	1 /	2 /	011 /	GEH /	BO /	M25 /	1

Ordering details

Switching mechanism	Contact system	Code	Label inscription	Order No.
Control switch Type 294 with silver contacts Version with locking facility in „0“- or position „right (Code 3)“, cable entry 1 x M25 on bottom.				
6		062	0 I	GHG 294 1000 R0001
6		065	0 I	GHG 294 1000 R0002
4		067	0 I	GHG 294 1000 R0003
8		067	0 I	GHG 294 1000 R0004
4		037	0 I	GHG 294 2000 R0002
8		037	0 I	GHG 294 2000 R0003
5		024	I 0 II	GHG 294 2000 R0004
5		023	HAND OFF AUTO	GHG 294 2001 R0001

Switching mechanism	Contact system	Code	Label inscription	Order No.
Control switch with measuring instrument Type 295 with silver contacts Version with locking facility in „0“- or „left“ position, Measuring instrument AM 72 for CT connection n/1A, Scale 0 - 100/150 %. 1 x M32 on bottom.				
6		062	0 I	GHG 295 1000 R0001
6		065	0 I	GHG 295 1000 R0002