

## EX - D - BUILT - IN COMPONENTS

### GHG 62 flameproof encapsulation up to 63 A

If arcing or sparking electrical apparatus are used in hazardous areas, i.e. potentially explosive atmospheres, they must be protected according to EN 60079 pp by special constructional measures.

The Eaton's Crouse-Hinds Business explosion protected apparatus, such as the modules in Ex-e distributions, derives its high degree of safety through the combination of various types of protection. Thus, flameproof encapsulated components (Ex-d), for instance, are also integrated in enclosures of the type "Increased Safety" (Ex-e).

As these components are of modular design, they can be combined according to customers' requirements. Four enclosure sizes provide enough space for whatever modules are required: MCBs, RCDs, RCBOs or motor starters. Protected by a transparent flap, all modules can be conveniently monitored and operated.

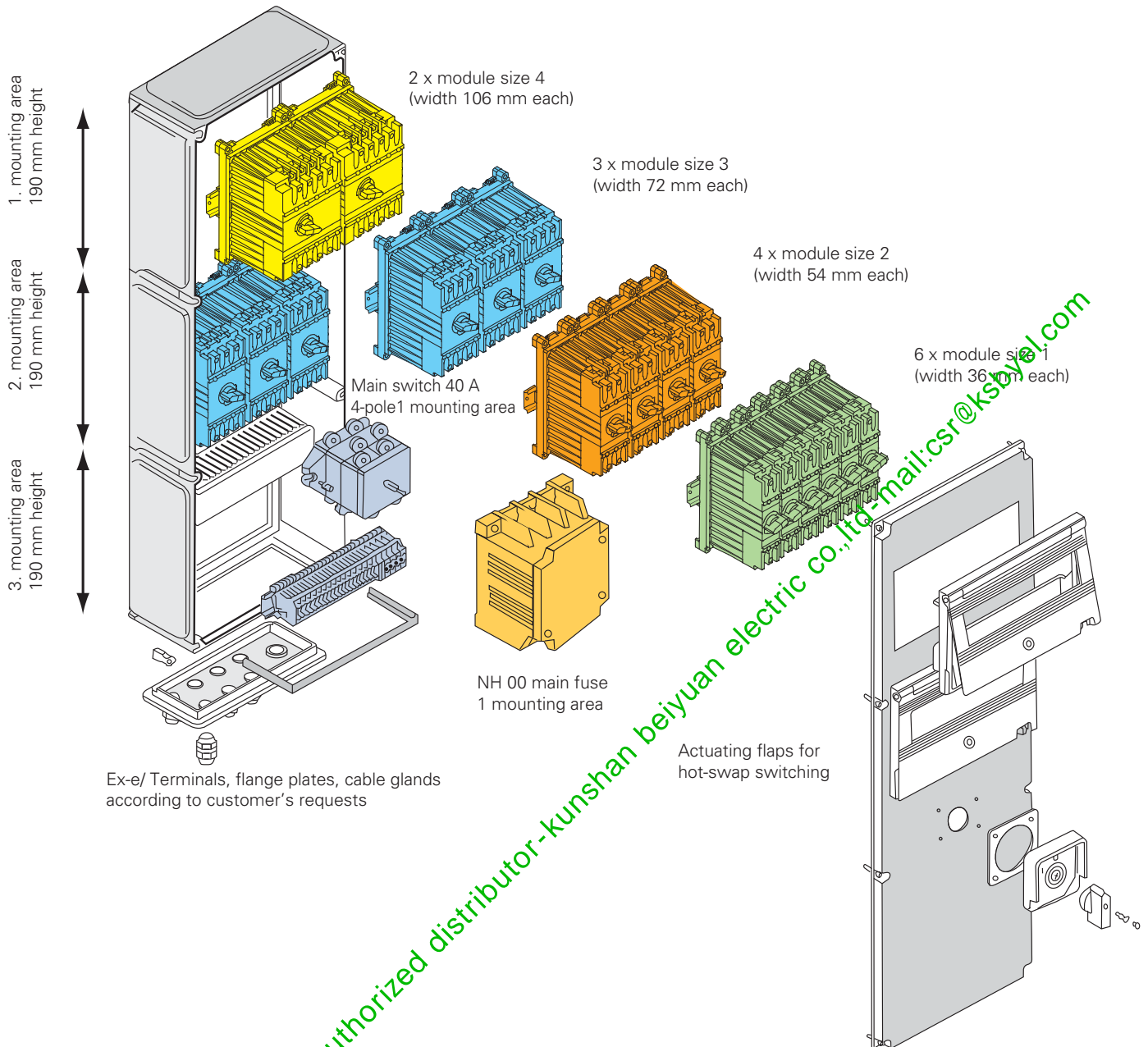
The modules are inserted in the distribution by simple snap-on rail mounting. Thus, modules can be replaced or added quickly and reliably. That makes servicing and extension work simpler and faster – and thus more cost-efficient.

We've also provided for your personal safety: MCBs, RCDs, RCBOs and power circuit breakers can be equipped with a lock in the OFF position. That protects you during your work on the system against inadvertent switching on – better safe than sorry!

- **Modular design**
- **Easy to maintain**
- **Wide range of built-in components**
- **Rated current up to 63 A**
- **Wide ambient temperature range**  
-45°C up to +55 °C



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**Individual modular distributions**

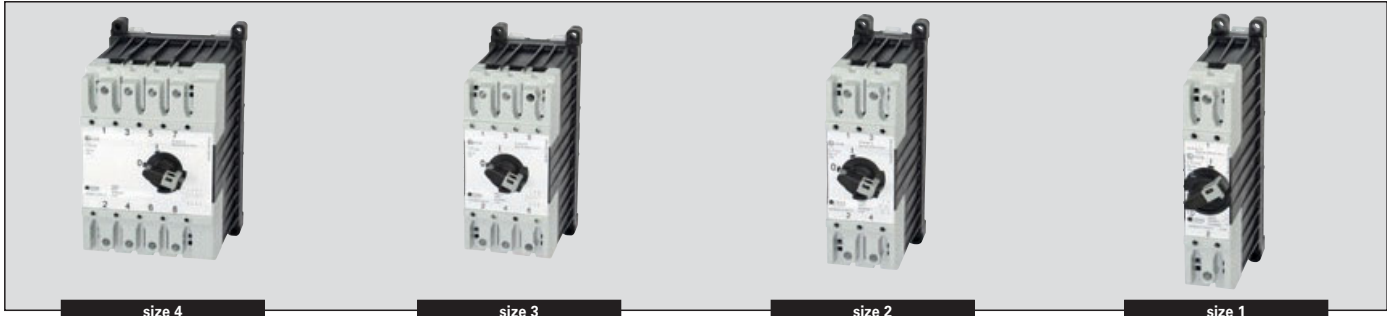
Eaton's Crouse-Hinds Business explosion protected Ex-e moulded-plastic distributions can be individually assembled and equipped with various components. Enclosure modules of size 1, 2, 3 and 4 are available for combining flameproof encapsulated modules (Ex-d) according to customers' specifications.

Four enclosure sizes provide enough space for whatever modules are required: MCBs, RCDs, RCBOs or motor starters. Different module sizes can be placed side by side in one mounting space. The modules are inserted in the distribution by simple snap-on rail mounting. Thus, modules can be replaced or added quickly and reliably. Lockable actuating flaps allow easy operation without opening the enclosure.

**For an easy selection of certified components two temperature information are provided:**

1. Operating temperature range  
This defines the max. permitted temperature range of component in the installed state. This has to be considered when configuring
2. Ambient temperature range  
These temperature range defines the expected ambient temperature range for a fully planned equipment and is based on the experiences of configured devices at normal installation conditions. However, it must be observed in any case, the conditions of the type examination certificate. These temperatures are purely based on explosion protection. Mechanical and electrical function based on the installation situation (e.g. self-heating) have to be considered. **For binding function ambient temperatures please refer to the product manual.**

## Ex-d Built-in components

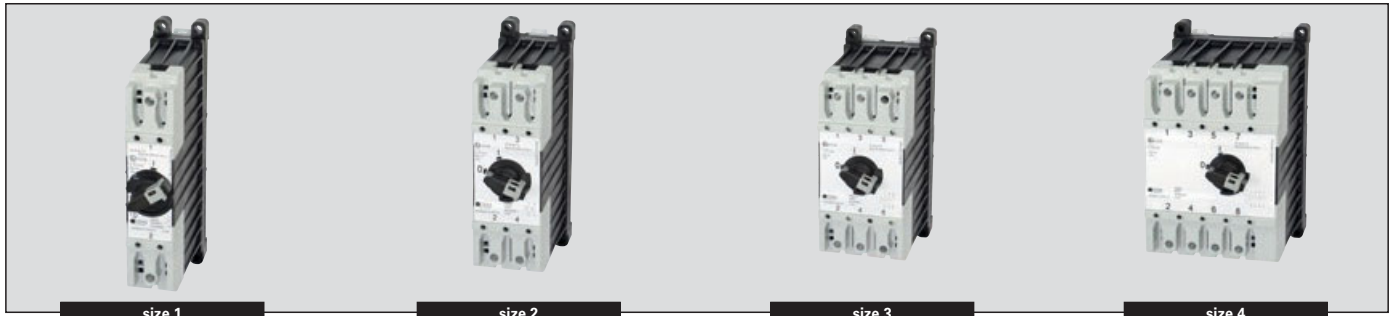


## Technical data

MCB 0.5 A up to 63 A				
Marking accd. to 94/9/EC	⊕ II 2 G Ex de IIB/IIC Gb or Ex de [ia] ib IIB/IIC Gb			
EC-Type Examination Certificate	BVS 09 ATEX E 145 U			
Marking accd. to IECEx	Ex de IIB/IIC Gb			
IECEX Certificate of Conformity	IECEX BVS 10.0002 U			
Application temperature <sup>1)</sup>	-20 °C up to +55 °C (IIC)			
	-45 °C up to +55 °C (IIB)			
Operating temperature range	-20 °C up to +110 °C (IIC)			
	-45 °C up to +110 °C (IIB)			
Rated voltage	main contact	max. 440 V AC		
	aux. contact	max. 250 V AC		
Rated current	main contact	0.5 A to 63 A		
	aux. contact	max. 5 A		
Rated switching capacity 2/3 phase		10 kA		
	230 V AC (133/230 V AC) kA/cos	10/0.5		
	400 V AC (230/400 V AC) kA/cos	10/0.5		
Back-up fuse depend on rated current	up to 100 A			
Connecting terminals main contact size 1 - 4	1 x 1.5 mm <sup>2</sup> - 1 x 16 mm <sup>2</sup> fine wire with wire end sleeve/single wire			
	2 x 1.5 mm <sup>2</sup> - 2 x 6 mm <sup>2</sup> fine wire with wire end sleeve/single wire			
	up to 2 x 16 mm <sup>2</sup> with cable lug GHG9059025R0010			
	up to 1 x 25 mm <sup>2</sup> or 2 x 25 mm <sup>2</sup> with cable lug GHG5101916R0001			
auxiliary/signal contact	1.5 mm <sup>2</sup> up to 2.5 mm <sup>2</sup> fine wire with wire end sleeve/single wire			
Module size	1	2	3	4
No of main contacts	1	2	3	4
No. of auxillary contacts	2	3	4	5
Weight	0.6 kg	0.9 kg	1.2 kg	1.6 kg
Enclosure material	Polyamide			
Padlocking facility	in OFF position with a commercially available padlock			

<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 2.6.19.

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# GHG 622 XXXX R0YYY

1. Contacts

Component: miniature circuit breaker (MCB): 0.5 up to 63 A

6

Contact arrangement							No of main contacts		No of main contacts		No of main contacts		No of main contacts		
Additional components	Main contact	Aux. contact	Signal contact	Overload release	Undervoltage release	Circuit	1 pole (XXXX)	module size	2 pole (XXXX)	module size	3 pole (XXXX)	module size	4 pole (XXXX)	module size	
none	x	—	—	—	—	—	1101	1	2101	2	3101	3	4101	4	
one additional component	x	1 NO	—	—	—	1	1102	1	2102	2	3102	3			
	x	1 NC	—	—	—	2	1103	1	2103	2	3103	3			
	x	1 C/O	—	—	—	3	2104	2					4102	4	
	x	2 NO	—	—	—	4					4118	4			
	x	1 NO + 1 C/O	—	—	—	5			3112	3					
	x	1 NO + 1 C/O	—	—	—						4114	4			
	x	—	1 C/O	—	—	8	2105	2	3113	3	4109	4	4103	4	
	x	—	—	—	12-60 V	—	9	2106	2	3105	3	4107	4		
	x	—	—	—	110 - 415 V	—	9	2107	2	3106	3	4108	4		
	x	—	—	—	—	24 V AC	10			3107	3	4104	4		
x	—	—	—	—	110 V AC	10			3108	3	4105	4			
x	—	—	—	—	230 V AC	10			3109	3	4106	4			
two additional components	x	1 NO	1 C/O	—	—	1+8							4113	4	
	x	1 C/O	1 C/O	—	—	3+8			3104	3	4110	4			
	x	1 NO	—	—	12-60 V	—	1+9		3110	3					
	x	1 C/O	—	—	12-60 V	—	2+9		3111	3					
	x	—	1 C/O	—	12-60 V	—	8+9		4111	4					
	x	—	1 C/O	—	110 - 415 V	—	8+9		4112	4					
	x	—	1 C/O	—	—	24 V AC	8+10		4115	4					
	x	—	1 C/O	—	—	110 V AC	8+10		4116	4					
x	—	1 C/O	—	—	230 V AC	8+10		4117	4						
three additional components	x	1 NC	1 C/O	—	12-60 V	—	1+8+9		4119	4					
	x	1 NC	1 C/O	—	110 - 415 V	—	1+8+9		4120	4					
	x	1 NO + 1 NC	1 C/O	—	—	24 V AC	1+8+10		4121	4					
	x	1 NO + 1 NC	1 C/O	—	—	110 V AC	1+8+10		4122	4					
	x	1 NO + 1 NC	1 C/O	—	—	230 V AC	1+8+10		4123	4					
	x	1 NO + 1 NC	1 C/O	—	—	24 V AC	1+8+10		4124	4					
	x	1 NO + 1 NC	—	—	—	230 V AC	1+8+10				4125	4			

Example: 2-pole MCB with two additional contacts (1 x aux. contact 1NO + 1 overload release 12 - 60 V)  
 XXXX=3110 (module size 3) --> GHG 622 3110 R0YYY

# GHG 622 XXXX ROYYY

2. Tripping current

## Built-in components MCBs: order code MCB 0.5 up to 63 A - Icn = 6 kA

Tripping Current	Characteristic K			Characteristic Z			Characteristic B			Characteristic C		
	Max. Back-up fuse gL	Powerloss per pole	YYY	Max. back-up fuse gL	Powerloss per pole	YYY	Max. back-up fuse gL	Powerloss per pole	YYY	Max. back-up fuse gL	Powerloss per pole	YYY
0.5 A	not necessary	1.6 W	513	not necessary	2.5 W	581				not necessary	1.4 W	621
1 A		1.6 W	515		2.3 W	582			1.4 W		622	
1.6 A		1.8 W	516		2.8 W	583			1.6 W		623	
2 A		1.9 W	517		2.5 W	584			1.8 W		624	
3 A	20 A	1.5 W	518	20 A	1.8 W	585			20 A	1.3 W	625	
4 A	25 A	2.0 W	519	20 A	2.4 W	586			20 A	1.8 W	626	
6 A	63 A	1.9 W	520	35 A	3.7 W	587	63 A	2.0 W	601	40 A	2.0 W	627
8 A	63 A	2.5 W	521	40 A	3.45 W	588				63 A	1.6 W	628
10 A	63 A	1.26 W	522	63 A	1.7 W	589	100 A	1.3 W	602	100 A	1.3 W	629
13 A	63 A	1.26 W	523				100 A	2.3 W	603	100 A	2.3 W	630
16 A	80 A	2.0 W	524	63 A	2.8 W	590	100 A	1.8 W	604	100 A	1.8 W	631
20 A	80 A	2.7 W	525	80 A	2.4 W	591	100 A	2.5 W	605	100 A	2.5 W	632
25 A	100 A	2.9 W	526	80 A	2.6 W	592	100 A	3.2 W	606	100 A	3.2 W	633
32 A	100 A	3.6 W	527	100 A	2.9 W	593	100 A	3.7 W	607	100 A	3.7 W	634
40 A	125 A	4.5 W	528	100 A	4.1 W	594	125 A	4.8 W	608	125 A	4.8 W	635
50 A	160 A	2.9 W	529	125 A	4.4 W	595	160 A	3.25 W	609	160 A	3.25 W	636
63 A	160 A	5.2 W	530	125 A	5.2 W	596	160 A	4.8 W	610	160 A	4.8 W	637

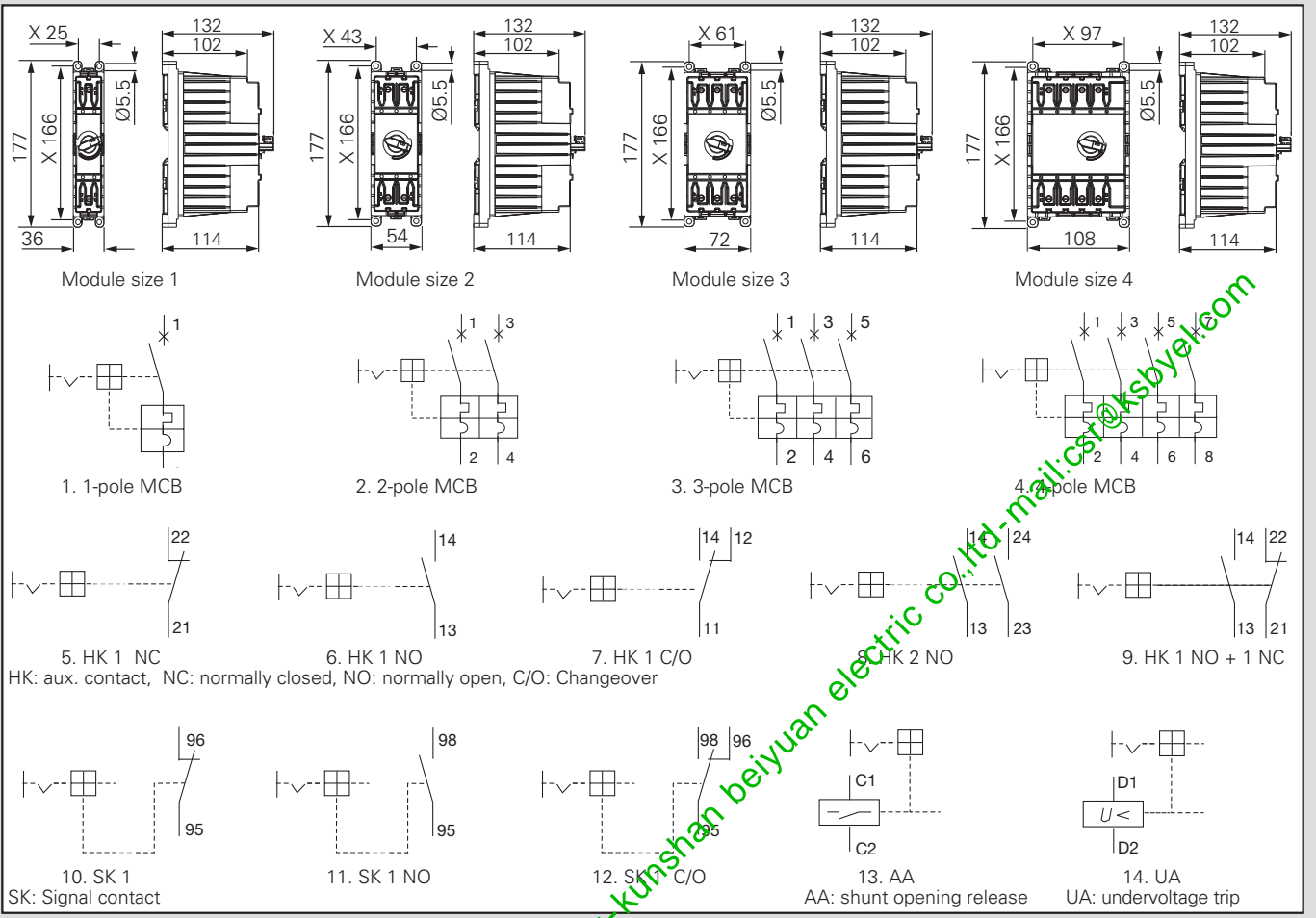
## Built-in components MCBs: order code MCB 0.5 up to 63 - Icn = 10 kA

Tripping current	Characteristic K			Characteristic Z			Characteristic B			Characteristic C		
	Max. back-up fuse gL	Powerloss per pole	YYY	Max. back-up fuse gL	Powerloss per pole	YYY	Max. back-up fuse gL	Powerloss per pole	YYY	Max. back-up fuse gL	Powerloss per pole	YYY
0.5 A	not necessary	1.6 W	013							not necessary	1.4 W	121
1 A		1.6 W	015						1.4 W		122	
1.6 A		1.8 W	016						1.6 W		123	
2 A		1.9 W	017						1.8 W		124	
3 A	20 A	1.5 W	018						20 A	1.3 W	125	
4 A	25 A	2.0 W	019						20 A	1.8 W	126	
6 A	63 A	1.9 W	020				63 A	2.0 W	101	40 A	2.0 W	127
8 A	63 A	2.5 W	021							63 A	1.0 W	128
10 A	63 A	1.3 W	022				100 A	1.3 W	102	100 A	1.3 W	129
13 A	63 A	1.3 W	023				100 A	2.3 W	103	100 A	2.3 W	130
16 A	80 A	2.0 W	024				100 A	1.8 W	104	100 A	1.8 W	131
20 A	80 A	2.7 W	025				100 A	2.5 W	105	100 A	2.5 W	132
25 A	100 A	2.9 W	026				100 A	3.2 W	106	100 A	3.2 W	133
32 A	100 A	3.6 W	027				100 A	3.7 W	107	100 A	3.7 W	134
40 A	125 A	4.5 W	028				125 A	4.8 W	108	125 A	4.8 W	135
50 A	160 A	2.9 W	029				160 A	3.3 W	109	160 A	3.3 W	136
63 A	160 A	5.2 W	030				160 A	4.8 W	110	160 A	4.8 W	137

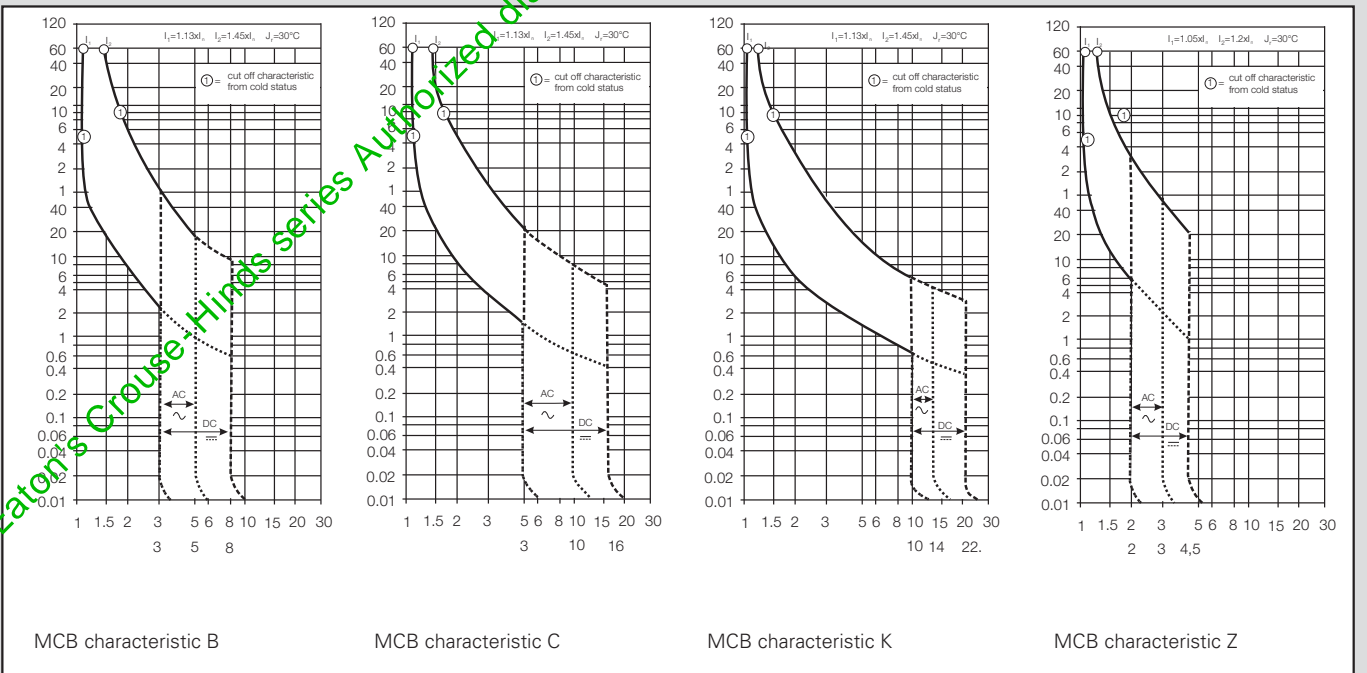
## Built-in components MCBs: order code MCB 0.5 up to 63 A - Icn = 15/25 kA

Tripping current	Characteristic K			Characteristic Z			Characteristic B			Characteristic C		
	Max. Back-up fuse gL	Powerloss per pole	YYY	Max. Back-up fuse gL	Powerloss per pole	YYY	Max. Back-up fuse gL	Powerloss per pole	YYY	Max. Back-up fuse gL	Powerloss per pole	YYY
0.5 A	not necessary	1.4 W	263	not necessary	2.5 W	331				not necessary	1.4 W	371
1 A		1.4 W	265		2.3 W	332			1.4 W		372	
1.6 A		1.6 W	266		2.8 W	333			1.6 W		373	
2 A		1.8 W	267		2.5 W	334			1.8 W		374	
3 A	25 A	1.9 W	268	25 A	1.9 W	335			25 A	1.9 W	375	
4 A	30 A	2.4 W	269	35 A	2.6 W	336			25 A	2.4 W	376	
6 A	63 A	2.2 W	270	63 A	3.7 W	337	63 A	2.2 W	351	63 A	2.2 W	377
8 A	80 A	2.9 W	271	80 A	3.5 W	338				63 A	2.9 W	378
10 A	100 A	1.4 W	272	100 A	2.1 W	339	80 A	1.4 W	352	80 A	1.4 W	379
13 A	100 A	2.3 W	273				80 A	2.3 W	353	80 A	2.3 W	380
16 A	100 A	2.5 W	274	100 A	2.8 W	340	100 A	2.5 W	354	100 A	2.5 W	381
20 A	100 A	2.9 W	275	100 A	2.9 W	341	100 A	2.9 W	355	100 A	2.9 W	382
25 A	125 A	3.5 W	276	125 A	3.5 W	342	100 A	3.5 W	356	100 A	3.5 W	383
32 A	160 A	4.2 W	277	160 A	4.2 W	343	125 A	4.2 W	357	125 A	4.2 W	384
40 A	160 A	6.4 W	278	160 A	6.4 W	344	125 A	6.4 W	358	125 A	6.4 W	385
50 A	160 A	3.0 W	279	160 A	4.4 W	345	160 A	3.0 W	359	160 A	3.0 W	386
63 A	160 A	5.6 W	280	160 A	5.2 W	346	160 A	5.6 W	360	160 A	5.6 W	387

Dimension drawing / termination diagram



Tripping characteristic



## Ex-d Built-in components



Size 2



Size 3



Size 4

### Technical data

#### Residual current circuit breakers RCD from 30 mA up to 0.5 A (25/40/63 A)

Marking accd. to 94/9/EC	II 2 G Ex db eb IIC / Ex db eb IIB	
EC-Type Examination Certificate	BVS 09 ATEX E 145 U	
Marking accd. to IECEx	Ex de IIB/IIC Gb	
IECEX Certificate of Conformity	IECEX BVS 10.0002 U	
Operating temperature range	-20 °C up to +110 °C (IIC)	
	-45 °C up to +110 °C (IIB)	
Application temperature <sup>1)</sup>	-20 °C up to +55 °C (IIC)	
	-45 °C up to +55 °C (IIB)	
Rated voltage	main contact	max. 440 V AC
	aux. contact	max. 250 V AC
Rated current	main contact	0.5 A up to max. 63 A
	aux. contact	max. 5 A
Rated residual operating current IDn	0.03 up to 0.5 A	
Back-up fuse depend on rated current	up to 100 A	
Connecting terminals	main contact size 1 -4	1 x 1.5 mm <sup>2</sup> - 1 x 16 mm <sup>2</sup> fine wire with wire end sleeve/single wire
		2 x 1.5 mm <sup>2</sup> - 2 x 6 mm <sup>2</sup> fine wire with wire end sleeve/single wire
	up to 2 x 16 mm <sup>2</sup> with cable lug GHG9059025R0010	
	auxiliary-signal contact	up to 1 x 25 mm <sup>2</sup> or 2 x 25 mm <sup>2</sup> with cable lug GHG5101916R0001
Module size	2	4
No of main contacts	2	4
No. of auxiliary contacts	1	1
Weight	0.9 kg	1.6 kg
Enclosure material	Polyamide	
Padlocking facility	in OFF position with a commercially available padlock	

<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 2.6.19.

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# GHG 624 XXXX ROYYY

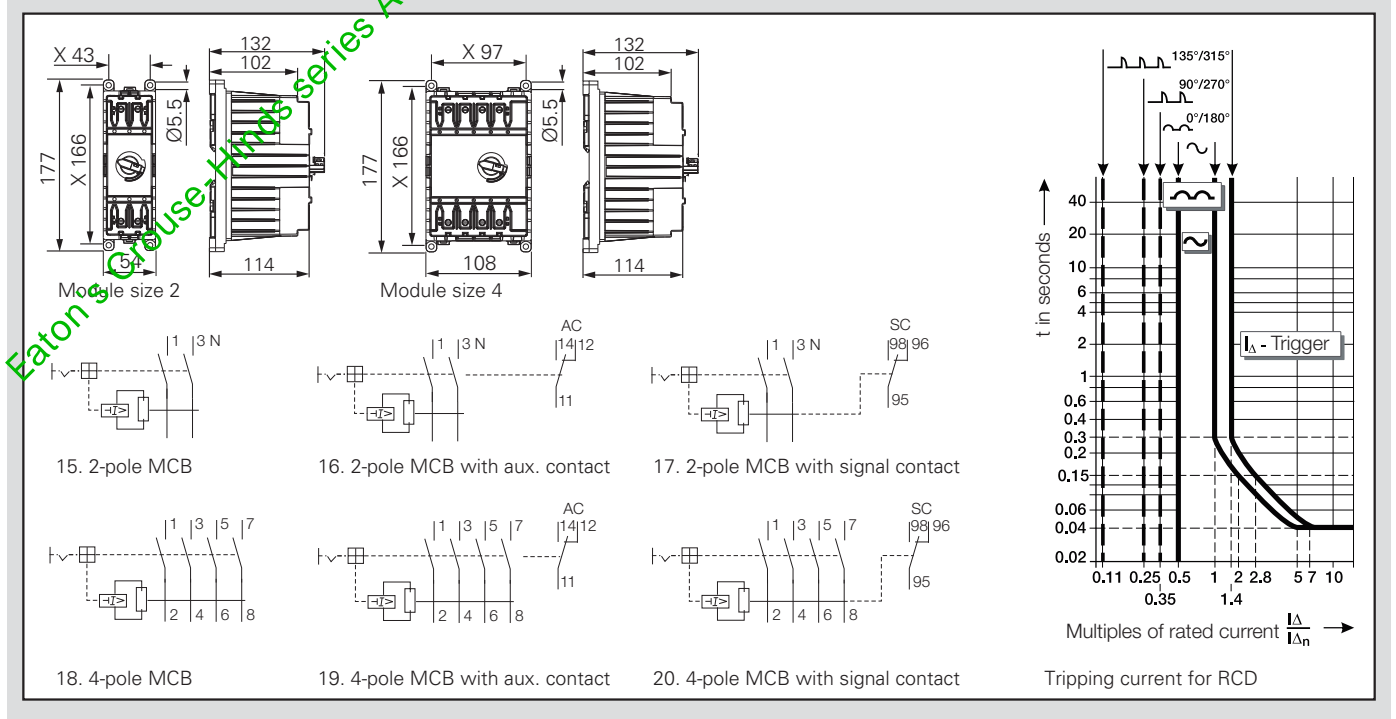
1. Contacts      2. Tripping current/Rated current

## Built-in components RCDs: Order Code RCDs 25/40/63 A

1. Contact arrangement				Termination diagram	No of main contacts		No of main contacts	
Additional components	Main contact	Aux. contact	Signal contact		2 pole (XXXX)	Module size	4 pole (XXXX)	Module size
None	x	—	—	15/18	2101	2	4101	4
One	x	1 C/O	—	16/19	3101	3	4102	4
	x	—	1 C/O	17/20	3102	3	4103	4

2. Rated residual operating current IDn	Rated current 25 A			Rated current 40 A			Rated current 63 A		
	Power dissipation in W			Power dissipation in W			Power dissipation in W		
	2 pole	4 pole	YYY	2 pole	4 pole	YYY	2 pole	4 pole	YYY
0.03 A	2.0	4.8	012	4.8	8.4	013	7.2	13.2	014
0.1 A	2.0	4.8	022	4.8	8.4	023	7.2	13.2	024
0.3 A	2.0	4.8	032	4.8	8.4	033	7.2	13.2	034
0.5 A	2.0	4.8	042	4.8	8.4	043	7.2	13.2	044

### Dimension drawing / termination diagram / tripping characteristic



## Ex-d Built-in components



### Technical data

#### RCBOs from 10 mA up to 0.3 A (25/40/63 A)

Marking accd. to 94/9/EC	II 2 G Ex db eb IIC / Ex db eb IIB	
EC-Type Examination Certificate	BVS 09 ATEX E 145 U	
Marking accd. to IECEx	Ex de IIB/IIC Gb	
IECEX Certificate of Conformity	IECEX BVS 10.0002 U	
Operating temperature range	-20 °C up to +110 °C (IIC)	
	-45 °C up to +110 °C (IIB) (option)	
Application temperature <sup>1)</sup>	-20 °C up to +55 °C (IIC)	
	-45 °C up to +55 °C (IIB) (option)	
Rated voltage	main contact	max. 440 V AC
	aux. contact	max. 250 V AC
Rated current	main contact	max. 63 A
	aux. contact	max. 5 A
Rated switching capacity 2/3 phase	6 kA/10 kA (depends on MCB)	
	230 V AC (133/230 V AC) kA/cos	10/0.5
	400 V AC (230/400 V AC) kA/cos	10/0.5
Rated residual operating current ID <sub>n</sub>	0.01 up to 0.3 A	
Back-up fuse depend on rated current	up to 100 A	
Connecting terminals	main contact size 1 - 4	1 x 1.5 mm <sup>2</sup> - 1 x 16 mm <sup>2</sup> fine wire with wire end sleeve/single wire
		2 x 1.5 mm <sup>2</sup> - 2 x 6 mm <sup>2</sup> fine wire with wire end sleeve/single wire
		up to 2 x 16 mm <sup>2</sup> with cable lug GHG9059025R0010
	auxiliary-/signal contact	up to 1 x 25 mm <sup>2</sup> or 2 x 25 mm <sup>2</sup> with cable lug GHG5101916R0001
		1.5 mm <sup>2</sup> up to 6 mm <sup>2</sup> fine wire with wire end sleeve/single wire
Module size	2	3      4
No of main contacts	1	1      2
No. of auxiliary contacts	0	1      1
Weight	kg	1.2 kg      1.6 kg
Enclosure material	Polyamide	
Padlocking facility	in OFF position with a commercially available padlock	

<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 2.6.19.

# GHG 625 XXXX ROYYY

1. Contacts

## Built-in components RCBOs: Order Code

1. Contacts - Icn = 6 kA											
Contact arrangement							Term. diag.	No of main contacts		No of main contacts	
Additional components	Main Contact	Aux. contact	Signal contact	N	RCBO			1 pol. (xxxx)	Module size	2 pol. (xxxx)	Module size
					DS201	DDA202+S202					
None	x	-	-	-	-	B/C/K	24			4101	4
	x	-	-	x	-	-	21	2101	2		
	x	-	-	x	B/C/K	-	21	2102	2		
One	x	-	1 C/O	x	-	-	23	3101	3		
	x	1 C/O	-	x	-	-	22	3102	3		
	x	-	1 C/O	x	B/C/K	-	23	3103	3		
	x	1 C/O	-	x	B/C/K	-	22	3104	3		
	x	1 C/O	-	-	-	B/C/K	25			4102	4
	x	-	1 C/O	-	-	B/C/K	26			4103	4
Two	x	2 C/O	-	x	B/C/K	-	25	3105	3		
	x	1 C/O	1 C/O	-	B/C/K	-	27	3106	3		

1. Contacts - Icn = 10 kA												
Contact arrangement							Term. diag.	No of main contacts		No of main contacts		
Additional components	Main Contact	Aux. contact	Signal contact	N	RCBO			1 pol. (xxxx)	Module size	2 pol. (xxxx)	Module size	
					DS201M	DS202CM						DDA202+S202 (M/P)
None	x	-	-	-	-	B/C	-	24			2121	2
	x	-	-	-	-	-	B/C/K	24			4101	4
	x	-	-	x	-	-	-	21	2101	2		
	x	-	-	-	B/C	-	-	21	2102	2		
One	x	-	1 C/O	x	-	-	-	23	3101	3		
	x	1 C/O	-	x	-	-	-	22	3102	3		
	x	-	1 C/O	x	B/C	-	-	23	3103	3		
	x	1 C/O	-	x	B/C	-	-	22	3104	3		
	x	2 W	-	x	B/C	-	-	22	3105	3		
	x	-	1 C/O	-	-	B/C	-	26			3121	3
	x	1 C/O	-	-	-	B/C	-	25			3122	3
	x	1 C/O	-	-	-	-	B/C/K	25			4102	4
	x	-	1 C/O	-	-	-	B/C/K	26			4103	4
Two	x	2 C/O	-	x	B/C	-	-	22	3105	3		

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6

# GHG 625 XXXX R Z YYY

2. Rated residual operating current  $ID_n$  3. Tripping current

Tripping current	B-Characteristic 6 kA				C-Characteristic 6 kA				K-Characteristic 6 kA							
	DS201		DDA202		DS201		DDA202		DS201		DDA202					
Type	DS201				DDA202				DS201				DDA202			
<b>2. Rated residual operating current <math>ID_n</math></b>																
	$ID_n$ (mA)				$ID_n$ (mA)				$ID_n$ (mA)							
	10	30	300	+ABB S202	10	30	300	+ABB S202	10	30	300	+ABB S202				
Z	0	1	3	-	0	1	3	-	0	1	3	-				
<b>3. Tripping Current</b>																
0.5 A	-	-	-	-	-	-	-	621	-	-	-	-	513			
1 A	-	-	-	-	-	-	-	622	-	046	046	-	515			
1.6 A	-	-	-	-	-	-	-	623	-	-	-	-	516			
2 A	-	-	-	-	-	024	024	624	-	047	047	-	517			
3 A	-	-	-	-	-	-	-	625	-	-	-	-	518			
4 A	-	-	-	-	-	025	025	626	-	048	048	-	519			
6 A	-	004	004	601	-	026	026	627	-	049	049	-	520			
8 A	-	-	-	-	-	027	027	628	-	050	050	-	521			
10 A	005	005	005	602	028	028	028	629	-	051	051	-	522			
13 A	006	006	006	603	029	029	029	630	051	052	052	-	523			
16 A	007	007	007	604	030	030	030	631	052	053	053	-	524			
20 A	-	008	008	605	-	031	031	632	053	054	054	-	525			
25 A	-	009	009	606	-	032	032	633	-	055	055	-	526			
32 A	-	010	010	607	-	033	033	634	-	056	056	-	527			
40 A	-	011	011	608	-	034	034	635	-	057	057	-	528			
50 A	-	-	-	609	-	-	-	636	-	-	-	-	529			
63 A	-	-	-	610	-	-	-	637	-	-	-	-	530			

Tripping current	B-Characteristic 10 kA								C-Characteristic 10 kA								K-Characteristic 10 kA							
	DS201M		DS202CM		DDA202		DDA202		DS201M		DS202CM		DDA202		DDA202		DDA202		DDA202					
Type	DS201M								DS202CM								DDA202		DDA202		DDA202		DDA202	
<b>2. Rated residual operating current <math>ID_n</math></b>																								
	$ID_n$ (mA)								$ID_n$ (mA)															
	10	30	300	10	30	300	+ABBS202M	+ABBS202P	10	30	300	10	30	300	+ABBS202M	+ABBS202P	+ABBS202M	+ABBS202P	+ABBS202M	+ABBS202P				
z	0	1	3	0	1	3	-	-	0	1	3	0	1	3	-	-	-	-	-	-				
<b>3. Tripping Current</b>																								
0.5 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	121	371	013	263				
1 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122	372	015	265				
1.6 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	123	373	016	266				
2 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124	374	017	267				
4 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125	375	018	268				
3 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	376	019	269				
6 A	-	254	254	004	004	101	351	-	276	276	-	026	026	127	377	020	270	020	270					
8 A	-	-	-	-	-	-	-	-	-	-	-	-	-	128	378	021	271	021	271					
10 A	255	255	255	005	005	102	352	278	278	278	-	028	028	129	379	022	272	022	272					
13 A	-	256	256	006	006	103	353	-	279	279	029	029	029	130	380	023	273	023	273					
16 A	257	257	257	007	007	104	354	280	280	280	030	030	030	131	381	024	274	024	274					
20 A	-	258	258	-	008	105	355	-	281	281	-	031	031	132	382	025	275	025	275					
25 A	-	259	259	-	009	106	356	-	282	282	-	032	032	133	383	026	276	026	276					
32 A	-	260	260	-	010	107	357	-	283	283	-	033	033	134	384	027	277	027	277					
40 A	-	261	261	-	-	108	358	-	284	284	-	-	-	135	385	028	278	028	278					
50 A	-	-	-	-	-	109	359	-	-	-	-	-	-	136	386	029	279	029	279					
63 A	-	-	-	-	-	110	360	-	-	-	-	-	-	137	387	030	280	030	280					

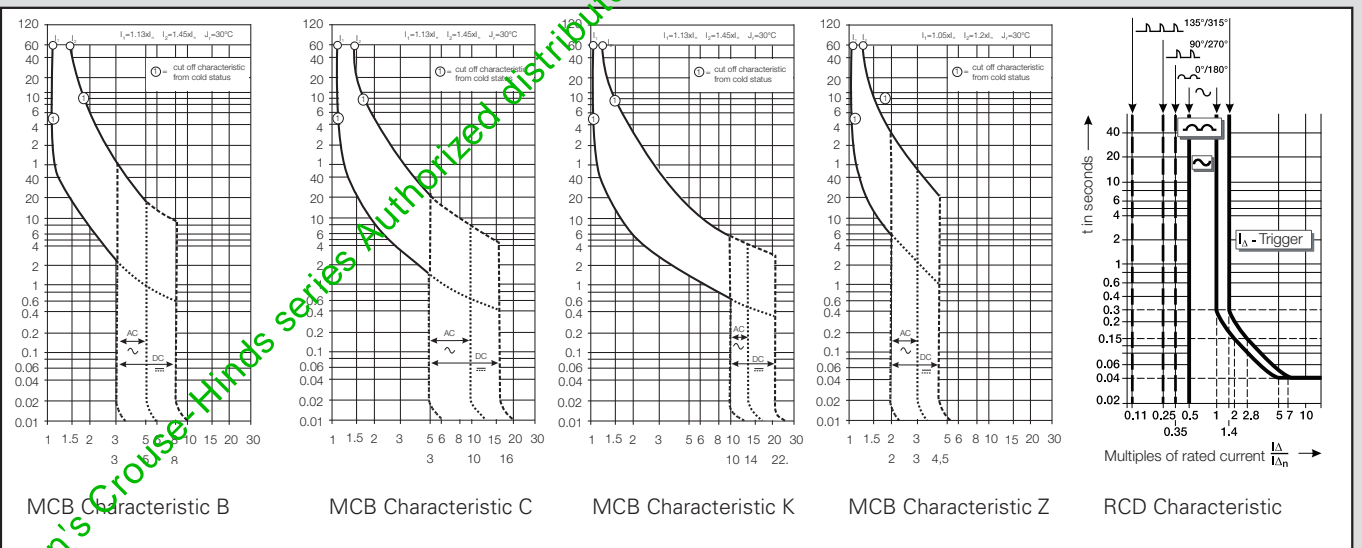
Dimension drawing / Termination diagram

Module size 2      Module size 3      Module size 4

21. RCBO 1-pole + N      22. RCBO 1-pol. + N with HK      23. RCBO 1-pol. + N with SK      24. RCBO 2-pole

25. RCBO 2-pol. with HK      26. RCBO 2-pol. with SK

Tripping characteristic



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