

Terminal Boxes

Series 8252/1



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14786E00

- > Ex d enclosure made of saltwater-resistant, copper-free aluminium cast alloy
- > Powder coated to RAL 7032
- > Available in 3 different sizes
- > With DIN rail for standard terminals
- > Enclosure with 3, 4 or 5 hubs with metric or NPT threads
- > Drilled holes in the enclosure enable quick and easy mounting
- > In terminal box versions standard cable glands without compound can be used.

E3



The new flameproof terminal boxes Series 8252, made of seawater-resistant copper-free aluminium alloy grant an optimal use in all applications where the type of protection Ex d is needed. By default, three sizes already equipped with threads and pre-installed DIN rails are available. Since the certificate also includes controls, versions with electronic components and relays can be easily realized as well with this series.

	ATEX / IECEx / GOST					
Zone	0	1	2	20	21	22
For use in		x	x		x	x

Explosion Protection

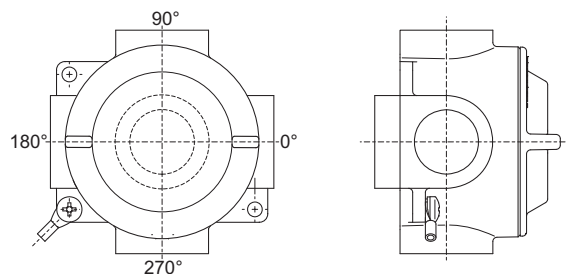
Global (IECEx)	
Gas and dust	IECEx BVS 11.0059X Ex d [ia/ib Ga/Gb] IIC T4-T6 Gb Ex tb IIC T80°C-T130°C Db IP66
Europe (ATEX)	
Gas and dust	BVS 11 ATEX E 114 X ⊕ II 2 G Ex d [ia/ib Ga/Gb] IIC T4-T6 Gb ⊕ II 2 D Ex tb IIC T80°C-T130°C Db IP66
India (PESO)	
Gas and dust	A/P/HQ/MH/104/2563 (P284425) Ex d [ia/ib Ga/Gb] IIC T4-T6 Gb Ex tb IIC T80°C-T130°C Db IP66

WebCode 8252A

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Position of Hubs



15031E00

Selection Table

Configu- ration	Version	Enclosure size	Hub metric or NPT thread				Order number	Weight	
			Enclosure base	0°	90°	180°			270°
	GUA 16 M20	2: ∅ 90	--	M20	✓	✓	--	8252/12-0B110-111	0.620
	GUA 26 M25	2: ∅ 90	--	M25	✓	✓	--	8252/12-0C110-111	0.610
	GUA 36 M32	2: ∅ 90	--	M32	✓	✓	--	8252/12-0D110-111	0.600
	GUA 47 M32	3: ∅ 110	--	M32	✓	✓	--	8252/13-0D110-111	1.090
	GUA 59 M40	4: ∅ 145	--	M40	✓	✓	--	8252/14-0E110-111	1.870
	GUA 16	2: ∅ 90	--	1/2"	✓	✓	--	8252/12-0H110-111	0.620
	GUA 26	2: ∅ 90	--	3/4"	✓	✓	--	8252/12-0I110-111	0.600
	GUA 36	2: ∅ 90	--	1"	✓	✓	--	8252/12-0J110-111	0.600
	GUA 47	3: ∅ 110	--	1 1/4"	✓	✓	--	8252/13-0K110-111	1.060
	GUA 59	4: ∅ 145	--	1 1/2"	✓	✓	--	8252/14-0L110-111	1.840
	GUAB 16 M20	2: ∅ 90	M20	M20	✓	✓	--	8252/12-BB110-111	0.670
	GUAB 26 M25	2: ∅ 90	M25	M25	✓	✓	--	8252/12-CC110-111	0.660
	GUAB 36 M32	2: ∅ 90	M32	M32	✓	✓	--	8252/12-DD110-111	0.630
	GUAB 47 M32	3: ∅ 110	M32	M32	✓	✓	--	8252/13-DD110-111	1.080
	GUAB 59 M40	4: ∅ 145	M40	M40	✓	✓	--	8252/14-EE110-111	1.880
	GUAB 69 M50	4: ∅ 145	M50	M50	✓	✓	--	8252/14-FF110-111	1.810
	GUAB 16	2: ∅ 90	1/2"	1/2"	✓	✓	--	8252/12-HH110-111	0.680
	GUAB 26	2: ∅ 90	3/4"	3/4"	✓	✓	--	8252/12-II110-111	0.650
	GUAB 36	2: ∅ 90	1"	1"	✓	✓	--	8252/12-JJ110-111	0.630
	GUAB 47	3: ∅ 110	1 1/4"	1 1/4"	✓	✓	--	8252/13-KK110-111	1.040
GUAB 59	4: ∅ 145	1 1/2"	1 1/2"	✓	✓	--	8252/14-LL110-111	1.840	
GUAB 69	4: ∅ 145	2"	2"	✓	✓	--	8252/14-MM110-111	1.740	

= ✓ thread with stopping plug

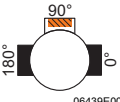
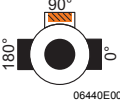
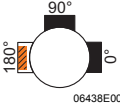
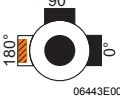
Note Cable glands must be ordered separately.


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Configu- ration	Version	Enclosure size	Hub metric or NPT thread				Order number	Weight	
			Enclosure base	0°	90°	180°			270°
 06439E00	GUAC 16 M20	2: ∅ 90	--	M20	✓	M20	--	8252/12-0B1B0-111	0.600
	GUAC 26 M25	2: ∅ 90	--	M25	✓	M25	--	8252/12-0C1C0-111	0.590
	GUAC 36 M32	2: ∅ 90	--	M32	✓	M32	--	8252/12-0D1D0-111	0.560
	GUAC 47 M32	3: ∅ 110	--	M32	✓	M32	--	8252/13-0D1D0-111	1.050
	GUAC 59 M40	4: ∅ 145	--	M40	✓	M40	--	8252/14-0E1E0-111	1.810
	GUAC 69 M50	4: ∅ 145	--	M50	✓	M50	--	8252/14-0F1F0-111	1.740
	GUAC 16	2: ∅ 90	--	1/2"	✓	1/2"	--	8252/12-0H1H0-111	0.610
	GUAC 26	2: ∅ 90	--	3/4"	✓	3/4"	--	8252/12-0I1I0-111	0.580
	GUAC 36	2: ∅ 90	--	1"	✓	1"	--	8252/12-0J1J0-111	0.560
	GUAC 47	3: ∅ 110	--	1 1/4"	✓	1 1/4"	--	8252/13-0K1K0-111	1.010
	GUAC 59	4: ∅ 145	--	1 1/2"	✓	1 1/2"	--	8252/14-0L1L0-111	1.770
	GUAC 69	4: ∅ 145	--	2"	✓	2"	--	8252/14-0M1M0-111	1.670
 06440E00	GUAD 16 M20	2: ∅ 90	M20	M20	✓	M20	--	8252/12-BB1B0-111	0.660
	GUAD 26 M25	2: ∅ 90	M25	M25	✓	M25	--	8252/12-CC1C0-111	0.640
	GUAD 36 M32	2: ∅ 90	M32	M32	✓	M32	--	8252/12-DD1D0-111	0.600
	GUAD 16	2: ∅ 90	1/2"	1/2"	✓	1/2"	--	8252/12-HH1H0-111	0.660
	GUAD 26	2: ∅ 90	3/4"	3/4"	✓	3/4"	--	8252/12-II1I0-111	0.620
	GUAD 36	2: ∅ 90	1"	1"	✓	1"	--	8252/12-JJ1J0-111	0.600
 06438E00	GUAL 16 M20	2: ∅ 90	--	M20	M20	✓	--	8252/12-0BB10-111	0.600
	GUAL 26 M25	2: ∅ 90	--	M25	M25	✓	--	8252/12-0CC10-111	0.590
	GUAL 36 M32	2: ∅ 90	--	M32	M32	✓	--	8252/12-0DD10-111	0.560
	GUAL 47 M32	3: ∅ 110	--	M32	M32	✓	--	8252/13-0DD10-111	1.050
	GUAL 59 M40	4: ∅ 145	--	M40	M40	✓	--	8252/14-0EE10-111	1.810
	GUAL 69 M50	4: ∅ 145	--	M50	M50	✓	--	8252/14-0FF10-111	1.740
	GUAL 16	2: ∅ 90	--	1/2"	1/2"	✓	--	8252/12-0HH10-111	0.610
	GUAL 26	2: ∅ 90	--	3/4"	3/4"	✓	--	8252/12-0II10-111	0.580
	GUAL 36	2: ∅ 90	--	1"	1"	✓	--	8252/12-0JJ10-111	0.560
	GUAL 47	3: ∅ 110	--	1 1/4"	1 1/4"	✓	--	8252/13-0KK10-111	1.010
	GUAL 59	4: ∅ 145	--	1 1/2"	1 1/2"	✓	--	8252/14-0LL10-111	1.770
	GUAL 69	4: ∅ 145	--	2"	2"	✓	--	8252/14-0MM10-111	1.670
 06443E00	GUAM 16 M20	2: ∅ 90	M20	M20	M20	✓	--	8252/12-BBB10-111	0.660
	GUAM 26 M25	2: ∅ 90	M25	M25	M25	✓	--	8252/12-CCC10-111	0.640
	GUAM 36 M32	2: ∅ 90	M32	M32	M32	✓	--	8252/12-DDD10-111	0.600
	GUAM 47 M32	3: ∅ 110	M32	M32	M32	✓	--	8252/13-DDD10-111	1.050
	GUAM 69 M50	4: ∅ 145	M50	M50	M50	✓	--	8252/14-FFF10-111	1.730
	GUAM 16	2: ∅ 90	1/2"	1/2"	1/2"	✓	--	8252/12-HHH10-111	0.660
	GUAM 26	2: ∅ 90	3/4"	3/4"	3/4"	✓	--	8252/12-III10-111	0.620
	GUAM 36	2: ∅ 90	1"	1"	1"	✓	--	8252/12-JJJ10-111	0.600
	GUAM 47	3: ∅ 110	1 1/4"	1 1/4"	1 1/4"	✓	--	8252/13-KKK10-111	0.980
	GUAM 69	4: ∅ 145	2"	2"	2"	✓	--	8252/14-MMM10-111	1.610

 = ✓ thread with stopping plug

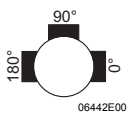
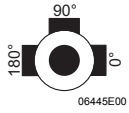
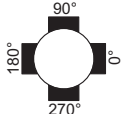
Note Cable glands must be ordered separately.


E3

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Selection Table

Configu- ration	Version	Enclosure size	Hub metric or NPT thread				Order number	Weight	
			Enclosure base	0°	90°	180°			270°
 06442E00	GUAT 16 M20	2: ∅ 90	--	M20	M20	M20	--	8252/12-0BBB0-111	0.590
	GUAT 26 M25	2: ∅ 90	--	M25	M25	M25	--	8252/12-0CCC0-111	0.570
	GUAT 36 M32	2: ∅ 90	--	M32	M32	M32	--	8252/12-0DDD0-111	0.530
	GUAT 47 M32	3: ∅ 110	--	M32	M32	M32	--	8252/13-0DDD0-111	1.020
	GUAT 59 M40	4: ∅ 145	--	M40	M40	M40	--	8252/14-0EEE0-111	1.760
	GUAT 69 M50	4: ∅ 145	--	M50	M50	M50	--	8252/14-0FFF0-111	1.660
	GUAT 16	2: ∅ 90	--	1/2"	1/2"	1/2"	--	8252/12-0HHH0-111	0.590
	GUAT 26	2: ∅ 90	--	3/4"	3/4"	3/4"	--	8252/12-0III0-111	0.550
	GUAT 36	2: ∅ 90	--	1"	1"	1"	--	8252/12-0JJJ0-111	0.530
	GUAT 47	3: ∅ 110	--	1 1/4"	1 1/4"	1 1/4"	--	8252/13-0KKK0-111	0.950
	GUAT 59	4: ∅ 145	--	1 1/2"	1 1/2"	1 1/2"	--	8252/14-0LLL0-111	1.690
GUAT 69	4: ∅ 145	--	2"	2"	2"	--	8252/14-0MMM0-111	1.540	
 06445E00	GUAW 16 M20	2: ∅ 90	M20	M20	M20	M20	--	8252/12-BBBB0-111	0.650
	GUAW 26 M25	2: ∅ 90	M25	M25	M25	M25	--	8252/12-CCCC0-111	0.620
	GUAW 16	2: ∅ 90	1/2"	1/2"	1/2"	1/2"	--	8252/12-HHHH0-111	0.650
	GUAW 26	2: ∅ 90	3/4"	3/4"	3/4"	3/4"	--	8252/12-IIII0-111	0.600
 06444E00	GUAX 16 M20	2: ∅ 90	--	M20	M20	M20	--	8252/12-0BBBB-111	0.640
	GUAX 26 M25	2: ∅ 90	--	M25	M25	M25	--	8252/12-0CCCC-111	0.610
	GUAX 36 M32	2: ∅ 90	--	M32	M32	M32	--	8252/12-0DDDD-111	0.550
	GUAX 47 M32	3: ∅ 110	--	M32	M32	M32	--	8252/13-0DDDD-111	0.990
	GUAX 59 M40	4: ∅ 145	--	M40	M40	M40	--	8252/14-0EEEE-111	1.730
	GUAX 69 M50	4: ∅ 145	--	M50	M50	M50	--	8252/14-0FFFF-111	1.600
	GUAX 16	2: ∅ 90	--	1/2"	1/2"	1/2"	1/2"	8252/12-0HHHH-111	0.640
	GUAX 26	2: ∅ 90	--	3/4"	3/4"	3/4"	3/4"	8252/12-0IIII-111	0.590
	GUAX 36	2: ∅ 90	--	1"	1"	1"	1"	8252/12-0JJJJ-111	0.550
	GUAX 47	3: ∅ 110	--	1 1/4"	1 1/4"	1 1/4"	1 1/4"	8252/13-0KKKK-111	0.900
GUAX 59	4: ∅ 145	--	1 1/2"	1 1/2"	1 1/2"	1 1/2"	8252/14-0LLLL-111	1.650	
GUAX 69	4: ∅ 145	--	2"	2"	2"	2"	8252/14-0MMMM-111	1.450	

 = ✓ thread with stopping plug

Note Cable glands must be ordered separately.

Technical data

Electrical data

Rated operational voltage	max. 690 V depending on explosion-protected built-in components used
Rated operational current	max. 175 A depending on explosion-protected built-in components used

Ambient conditions

Ambient temperature	-60 ... +70 °C depending on explosion-protected built-in components used
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Mechanical data

Enclosure material	aluminium cast alloy copper-free, powder-coated to RAL 7032
Seal	silicone O-ring
Protective conductor connection	M6 earth bolt, inside/outside on the enclosure
Tightening torque	screw of the protective conductor connection: 2.8 Nm
Degree of protection	IP66 acc. to IEC/EN 60529
Assembly	2 mounting holes

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Max. Number of Terminal Blocks which can be fitted

	MBK 2,5/E	MBK 3/E-Z	MBK 5/E-Z	UT 2,5	UT 4	UT 6	UT 10	UT 16	ST 2,5	ST 4	ST 6	STTB 2,5	STTB 4
Enclosure size 2 8252/12	8	8	8	-	-	-	-	-	-	-	-	-	-
Enclosure size 3 8252/13	10	10	8	6	5	4	-	-	6	4	-	-	-
Enclosure size 4 8252/14	17	17	14	11	11	10	6	5	11	10	4	5	3

E3

Accessories and Spare Parts

Designation	Description	Dimensions in mm	Art. no.	Weight kg
DIN rail	TS15 for size 2	15 x 5.5 x 72	211473	0.010
	TS15 for size 3	15 x 5.5 x 86	211474	0.010
	TS15 for size 4	15 x 5.5 x 120	211475	0.020
	TS35 for size 3	35 x 7.5 x 80	211858	0.030
	TS35 for size 4	35 x 7.5 x 115	211859	0.040
Mounting plate made of steel sheet	for size 2	58 x 58 x 2	211477	0.050
	for size 3	70 x 70 x 2	211478	0.070
	for size 4	100 x 100 x 2	211479	0.150
O-ring seal	for size 2	73.5x3	211481	0.002
	for size 3	88.5x3	211482	0.003
	for size 4	123.5x3	211483	0.004

Note Cable glands must be ordered seperately.

Selection Guide: Cable Glands Ex d Versions

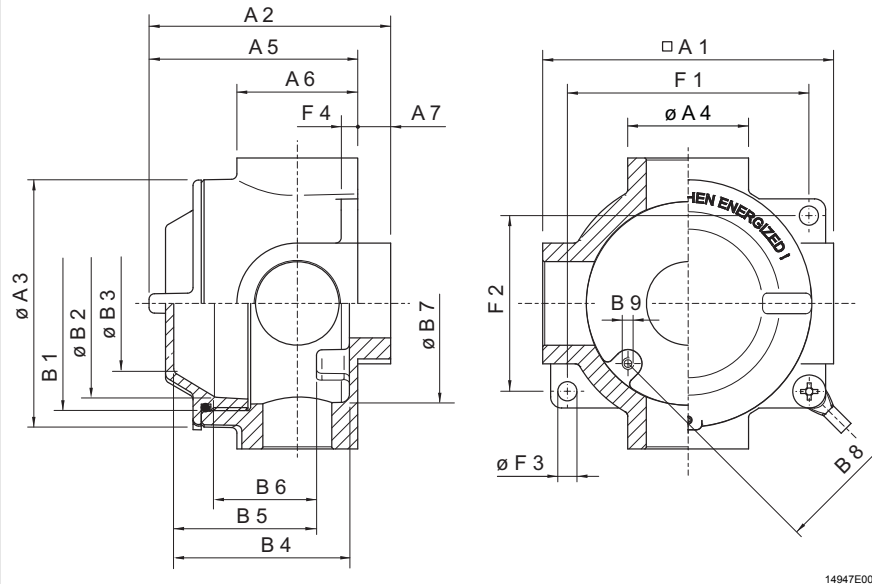
Type of protection	Does the enclosure contain an internal source of ignition?	Is IIC equipment required?	Is the installation area in Zone 1?	Is the volume of the enclosure larger than 2 dm ³ ?	Armouring	Type
Ex d	yes	yes	yes	yes	without	8163/2 PXSS2K
				no	with	8163/2 PX2K
		no	yes	yes	unarmoured	8163/2 A2F
			no	no	all armourings without lead sheath	8163/2 E1FU
	no	no	no	no	all armourings with lead sheath	8163/2 E2FU
					all armourings without lead sheath, with double seal	8163/2 T3CDS
					wire braid	8163/2 E1FX
					single wire armoured (SWA)	8163/2 E1FW
					single wire armoured (SWA) with lead sheath	8163/2 E2FW
					steel tape armoured	8163/2 E1FX

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Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



Enclosure (dimensions in mm)

	Size 2 8252/12-....	Size 3 8252/13-....	Size 4 8252/14-....
□A1	106	120	156
A2	88	110	126
ØA3	90	110	145
ØA4	44	54	75
A5	76	99	115
A6	44	54	75
A7	12	12	12
B1	M80	M95	M130
ØB2	72	85	123
ØB3	52	67	99
B4	64	83	98
B5	52	71	86
B6	36	57	66
ØB7	73	87	123
B8	61	77	111
B9	M4	M4	M4
F1	88	102	136
F2	64	78	96
ØF3	7	7	7
F4	6	6	3
Max. thread size			
Metric	M32	M40	M63
NPT	1"	1-1/4"	2"

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.