

## Ex-plugs and receptacles



- 16-A 3-pole, 4-pole and 5-pole up to 690V





### Technical Data


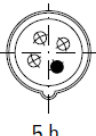

Ex-plugs and receptacles acc. to IEC 60309-1/2 16A		
Marking accd. to 2014/34/EU	Wall socket, plug, coupler:	II 2G / Ex db eb [ia] IIC / IIB+H2 T6 II 2 D Ex IIIC / IIB T80 Db
	Flange socket:	II 2G Ex db eb IIC / IIB+H2 Gb II 2 D Ex tb IIIC Db
EC-Type Examination Certificate	Wall socket, plug, coupler:	BVS 17 ATEX E 053 X
	Flange socket:	BVS 15 ATEX E 101 U
IECEX Certificate of Conformity	Wall socket, plug, coupler:	IECEX BVS 17.0045X
	Flange socket:	IECEX BVS 15.0088U
EAC (TR)	1EX D E [IA] IIC/IIB T6 GB X	
	EX TB IIIC T80°C DB X	
Permissible ambient temperature	-55 °C to + 55 °C	
Rated voltage	up to 415 V, (3-pole) / 690 V, (4-pole) / 690 V, (5-pole) AC	
Rated current	16 A	
Frequency	up to 400 Hz	
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	Ue 250 V / Ie 16 A (3-pole) Ue 690 V / Ie 16 A (4-pole) Ue 500 V / Ie 16 A (5-pole)	
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gG (rated current 16 A set to)	
Protection class	I	
Degree of protection accd. to EN 60529	IP66	
Enclosure colour	black	

\* extended temperature range on request

	Wall Socket	Plug	Coupler	Flange Socket
<b>Cable Entry</b>	1 x M25 cable gland, 1 x M25 plastic Ex-screw plug or 2 x metal thread M20 with plastic Ex screw plug	Ø 8 – 18 mm (3-pole) Ø 8 – 21 mm (4-pole) 12 – 21 mm (5-pole)	Ø 8 – 19 mm (3-pole) Ø 8 – 21 mm (4-pole) 12 – 21 mm (5-pole)	
<b>Connecting Terminals</b>	2 x 1.5 – 4.0 mm <sup>2</sup>	1 x 1.0 – 4.0 mm <sup>2</sup>	1 x 1.5 – 4.0 mm <sup>2</sup>	2 x 1.5 – 4.0 mm <sup>2</sup>
<b>Enclosure Material</b>	Glass-fibre reinforced polyester	Polyamide	Polyamide	Polyamide

Ordering Details

Voltage	h	Type	Aux. Contact	Cable Entry	Weight	Extended temp IIB+H2 -55 °C up to +45 °C (16 A) IIC -20 °C up to +55 °C (10 A)	Standard temp IIC -20 °C up to +55 °C (16 A)	Order No.	Part No.
<b>Type 16A 3pole</b>									
110-130V		Wall Socket	-	KU	1.2 kg		X	GHG5114304R0001	8002118
		Wall Socket	-	GE	1.2 kg		X	GHG5114304R0002	8010034
		Wall Socket	-	GE	1.2 kg	X		GHG5114304R0102	on request
		Wall Socket	-	ME	1.3 kg		X	GHG5114304R3001	on request
		Wall Socket	-	ME	1.3 kg	X		GHG5114304R3101	on request
		Wall Socket	-	GM	1.3 kg		X	GHG5114304R3003	on request
		Wall Socket	-	GM	1.3 kg	X		GHG5114304R3103	on request
		Flange socket	-		0.4 kg		X	GHG5118304R0001	on request
		Flange socket	-		0.4 kg	X		GHG5118304R0101	on request
		Coupler	-		0.7 kg		X	GHG5113304R0001	8002639
		Plug			0.35 kg	X	X	GHG5117304R0001	8041831
200-250V		Wall Socket	-	KU	1.2 kg		X	GHG5114306R0001	8002288
		Wall Socket	-	GE	1.2 kg		X	GHG5114306R0002	8072571
		Wall Socket	-	GE	1.2 kg	X		GHG5114306R0102	on request
		Wall Socket	-	ME	1.3 kg		X	GHG5114306R3001	8010974
		Wall Socket	-	ME	1.3 kg	X		GHG5114306R3101	on request
		Wall Socket	-	GM	1.3 kg		X	GHG5114306R3003	8060316
		Wall Socket	-	GM	1.3 kg	X		GHG5114306R3103	on request
		Flange socket	-		0.4 kg		X	GHG5118306R0001	8002947
		Flange socket	-		0.4 kg	X		GHG5118306R0101	on request
		Coupler	-		0.7 kg		X	GHG5113306R0001	8002290
		Plug			0.35 kg	X	X	GHG5117306R0001	8005422
<b>Type 16A 4-pole</b>									
200-250V		Wall Socket	-	KU	1.2 kg		X	GHG5114409R0001	on request
		Wall Socket	-	ME	1.3 kg		X	GHG5114409R3001	on request
		Wall Socket	-	ME	1.3 kg	X		GHG5114409R3101	on request
		Wall Socket	-	GM	1.3 kg		X	GHG5114409R3003	on request
		Wall Socket	-	GM	1.3 kg	X		GHG5114409R3103	on request
		Flange socket	-		1.0 kg		X	GHG5118409R0001	on request
		Flange socket	-		1.0 kg	X		GHG5118409R0101	
		Coupler	-		1.7 kg		X	GHG5113409R0001	8061289
		Plug			0.35 kg	X	X	GHG5117409R0001	8061287
380-415V		Wall Socket	-	KU	1.2 kg		X	GHG5114406R0001	8065241
		Wall Socket	-	ME	1.3 kg		X	GHG5114406R3001	on request
		Wall Socket	-	ME	1.3 kg	X		GHG5114406R3101	on request
		Wall Socket	-	GM	1.3 kg		X	GHG5114406R3003	on request
		Wall Socket	-	GM	1.3 kg	X		GHG5114406R3103	on request
		Flange socket	-		1.0 kg		X	GHG5118406R0001	on request
		Flange socket	-		1.0 kg	X		GHG5118406R0101	on request
		Coupler	-		1.7 kg		X	GHG5113406R0001	8061294
		Plug			0.35 kg	X	X	GHG5117406R0001	8061293

Voltage	h	Type	Aux. Contact	Cable Entry	Weight	Extended temp IIB+H2 -55 °C up to +45 °C (16 A) IIC -20 °C up to +55 °C (10 A)	Standard temp IIC -20 °C up to +55 °C (16 A)	Order No.	Part No.
<b>Type 16A 4pole</b>									
480-500V		Wall socket	-	KU	1.2 kg		X	GHG5114407R0001	8001770
		Wall socket	-	ME	1.3 kg		X	GHG5114407R3001	on request
		Wall socket	-	ME	1.3 kg	X		GHG5114407R3101	on request
		Flange socket	-		1.0 kg		X	GHG5118407R0001	on request
		Flange socket	-		1.0 kg	X		GHG5118407R0101	on request
		Coupler	-		1.7 kg		X	GHG5113407R0001	on request
		Plug			0.35 kg	X	X	GHG5117407R0001	8004233
600-690V		Wall socket	-		1.4 kg		X	GHG5114405R0001	on request
		Wall socket	-		1.5 kg		X	GHG5114405R3001	on request
		Wall socket	-		1.5 kg	X		GHG5114405R3101	on request
		Flange socket	-		1.0 kg		X	GHG5118405R0001	on request
		Flange socket	-		1.0 kg	X		GHG5118405R0101	on request
		Coupler	-		1.7 kg		X	GHG5113405R0001	on request
		Plug			0.35 kg	X	X	GHG5117405R0001	on request
<b>Type 16A 5pole</b>									
200-250V 380-415V		Wall socket	-	KU	1.2 kg		X	GHG5114506R0001	8027740
		Wall socket	-	ME	1.3 kg		X	GHG5114506R3001	8060328
		Wall socket	-	ME	1.3 kg	X		GHG5114506R3101	on request
		Wall socket	-		1.3 kg		X	GHG5114506R3003	on request
		Wall socket	-		1.3 kg	X		GHG5114506R3103	on request
		Flange socket	-		1.0 kg		X	GHG5118506R0001	8002927
		Flange socket	-		1.0 kg	X		GHG5118506R0101	on request
		Coupler	-		1.7 kg		X	GHG5113506R0001	8002537
		Plug			0.35 kg	x	X	GHG5117506R0001	8006848

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M25, 1 x M25 plastic Ex-screw plug

ME = 2 x metal thread M20

GM = 2 x metal thread M20 with screw plug, with external earth bolt M6

GE = 2 x plastic thread M20 without gland/screw plug



Wall socket



Flange socket



Coupler



Plug

- 32-A 3-pole, 4/5-pole up to 690V



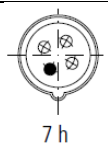
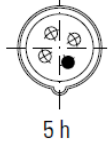

Technical Data

Ex-plugs and receptacles acc. to IEC 60309-1/2	
Marking accd. to 2014/34/EU	Ex II 2 G Ex de (ia) IIC T6 / Ex II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1041 Flange socket: PTB 99 ATEX 1042 U
IECEX Certificate of Conformity	IECEX BKI 04.0006
Marking accd. to IECEX	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C <sup>1)</sup>
Rated voltage	up to 690 V (AC)
Rated current	32 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U <sub>e</sub> 690 V / I <sub>e</sub> 32 A
External back up fuse	without therm. protection: 35 A with therm. protection: 50 A gG (rated current 32 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

<sup>1)</sup> extended temperature range on request

	Wall Socket	Plug	Coupler	Flange Socket
<b>Cable Entry</b>	1 x M40 cable gland 1 x M40 plastic Ex-screw plug or 2 x M32 metal thread with 2 plastic Ex-screw plug	Ø 12 - 28 mm	Ø 12 - 28 mm	
<b>Connecting Terminals</b>	2 x 4 - 10 mm <sup>2</sup>	1.0 - 6 mm <sup>2</sup>	2 x 4 - 10 mm <sup>2</sup>	2 x 4 - 10 mm <sup>2</sup>
<b>Enclosure Material</b>	glass-fibre reinforced polyester	Polyamide	Polyamide	Polyamide

Ordering Details

Voltage	h	Type	Aux. Contact	Cable Entry	Weight	Order No.	Part No.
<b>Type 32A 4-pole</b>							
200-250V		Wall socket	-	KU	2.3 kg	GHG 512 4409 R0001	on request
		Wall socket	-	ME	2.4 kg	GHG 512 4409 R3001	on request
		Wall socket	-	GM	2.3 kg	GHG 512 4409 R3003	on request
		Flange socket			1.0 kg	GHG 512 8409 R0001	on request
		Coupler			1.55 kg	GHG 512 3409 R0001	on request
		Plug			0.55 kg	GHG 512 7409 R0001	on request
380-415V		Wall socket	-	KU	2.3 kg	GHG 512 4406 R0001	8010728
		Wall socket	-	ME	2.4 kg	GHG 512 4406 R3001	on request
		Wall socket	yes	KH	2.3 kg	GHG 512 4406 R0501	on request
		Wall socket	-	GM	2.4 kg	GHG 512 4406 R3003	on request
		Flange socket			1.0 kg	GHG 512 8406 R0001	8010729
		Coupler			1.55 kg	GHG 512 3406 R0001	8027816
480-500V		Wall socket	-	KU	2.3 kg	GHG 512 4407 R0001	on request
		Wall socket	-	ME	2.4 kg	GHG 512 4407 R3001	on request
		Wall socket	yes	KH	2.3 kg	GHG 512 4407 R0501	on request
		Flange socket			1.0 kg	GHG 512 8407 R0001	on request
		Coupler			1.55 kg	GHG 512 3407 R0001	on request
		Plug			0.55 kg	GHG 512 7407 R0001	on request
600-690V		Wall socket	-	KU	1.8 kg	GHG 512 4405 R0001	on request
		Wall socket	-	ME	2.4 kg	GHG 512 4405 R3001	on request
		Wall socket	yes	KH	2.3 kg	GHG 512 4405 R0501	on request
		Flange socket			1.0 kg	GHG 512 8405 R0001	on request
		Coupler			1.55 kg	GHG 512 3405 R0001	on request
		Plug			0.55 kg	GHG 512 7405 R0001	on request
<b>Type 32A 5-pole</b>							
200-250V 380-415V		Wall socket	-	KU	2.3 kg	GHG 512 4506 R0001	8058245
		Wall socket	-	ME	2.4 kg	GHG 512 4506 R3001	8060329
		Wall socket	yes	KH	2.3 kg	GHG 512 4506 R0501	on request
		Wall socket	-	GM	2.4 kg	GHG 512 4506 R3003	on request
		Flange socket			1.0 kg	GHG 512 8506 R0001	8029030
		Coupler			1.6 kg	GHG 512 3506 R0001	8002841
		Plug			0.6 kg	GHG 512 7506 R0001	8009038

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M40, 1 x M40 plastic Ex-screw plug

KH = 1 x plastic cable glands M40, 1 x plastic cable glands M25, with aux. contact

ME = 2 x metal thread M32 with plastic Ex-screw plug

GM = 2 x metal thread M32 with screw plug, with external earth bolt M6



Plug cap



Plug



Wall socket

- 63-A 3-pole, 4/5-pole up to 690V

Technical Data

Ex-plugs and receptacles acc. to IEC 60309-1/2	
Marking accd. to 2014/34/EU	Ex II 2 G Ex db eb [ia Ga] IIC/IIB T5 Gb / Ex II 2 D Ex tb IIIC T80 °C Db
EC-Type Examination Certificate	BVS 17 ATEX E 073 X
IECEX Certificate of Conformity	IECEX BVS17.0062X
Marking accd. to IECEx	Ex db eb [ia Ga] IIC/IIB T5 Gb / Ex tb IIIC T80°C Db
Permissible ambient temperature <sup>1)</sup>	-20 °C up to +55 °C (IIC) -40°C up to +40 °C (IIB)
Rated voltage	690 V (AC)
Rated current	63 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U <sub>e</sub> 690 V / I <sub>e</sub> 63 A
External back up fuse	without therm. protection: 63 A with therm. protection: 80 A gG (rated current 63 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black






	Wall Socket	Plug
<b>Cable Entry</b>	1 x M50 cable gland, 1 x M50 plastic Ex-screw plug or 2 x M40 metal thread with 2 plastic Ex-screw plug	Ø 19 - 34 mm
<b>Connecting Terminals</b>	2 x 4 - 25 mm <sup>2</sup> / with ring cable lug <sup>2)</sup> 1 x 35 mm	1 x 4 - 16 mm <sup>2</sup> , with cable lug <sup>3)</sup> 1 x 25 mm <sup>2</sup>
<b>Enclosure Material</b>	glass-fibre reinforced polyester	Polyamide

<sup>1)</sup> Extended temperature on request

<sup>2)</sup> Use supplied cable lugs

<sup>3)</sup> See accessories

Ordering Details

Voltage	h	Type	Aux. Contact	Cable Entry	Weight approx	Low temperatur -40 °C up to +40°C (IIB)	High temperatur -20 °C up to +55°C (IIC)	Order No.	Part No.
<b>Type 63A 4-pole</b>									
200-250V		Wall socket	-	KU	8.1 kg		X	GHG 514 4409 R0001	on request
		Wall socket	-	ME	8.2 kg		X	GHG 514 4409 R3001	on request
		Wall socket	-	ME	8.2 kg	X		GHG 514 4409 R3101	on request
		Plug			0.9 kg	X	X	GHG 514 7409 R0001	on request
380-415V		Wall socket	-	KU	8.1 kg		X	GHG 514 4406 R0001	on request
		Wall socket	-	ME	8.2 kg		X	GHG 514 4406 R3001	on request
		Wall socket	-	ME	8.2 kg	X		GHG 514 4406 R3101	on request
		Wall socket	yes	KH	8.2 kg		X	GHG 514 4406 R0501	on request
		Wall socket	-	GM	8.2 kg		X	GHG 514 4406 R3017	on request
		Wall socket	-	GM	8.2 kg	X		GHG 514 4406 R3117	on request
		Plug			0.9 kg	X	X	GHG 514 7406 R0001	on request
480-500V		Wall socket	-	KU	8.1 kg		X	GHG 514 4407 R0001	on request
		Wall socket	-	ME	8.2 kg		X	GHG 514 4407 R3001	8007431
		Wall socket	-	ME	8.2 kg	X		GHG 514 4407 R3101	on request
		Wall socket	yes	KH	8.2 kg		X	GHG 514 4407 R0501	on request
		Wall socket	-	GM	8.2 kg		X	GHG 514 4407 R3003	on request
		Wall socket	-	GM	8.2 kg	X		GHG 514 4407 R3103	on request
		Plug			0.9 kg	X	X	GHG 514 7407 R0001	8072157
600-690V		Wall socket	-	KU	8.1 kg		X	GHG 514 4405 R0001	8074855
		Wall socket	-	ME	8.1 kg		X	GHG 514 4405 R3001	on request
		Wall socket	-	ME	8.1 kg	X		GHG 514 4405 R3101	on request
		Wall socket	yes	KH	8.2 kg		X	GHG 514 4405 R0501	on request
		Wall socket	-	GM	8.2 kg		X	GHG 514 4405 R3002	on request
		Plug			0.9 kg	X	X	GHG 514 7405 R0001	8074885
		<b>Type 63A 5-pole</b>							
200-250V 380-415V		Wall socket	-	KU	8.1 kg		X	GHG 514 4506 R0001	8002780
		Wall socket	-	ME	8.1 kg		X	GHG 514 4506 R3001	8086444
		Wall socket	-	ME	8.1 kg	X		GHG 514 4506 R3101	on request
		Wall socket	yes	KH	8.2 kg		X	GHG 514 4506 R0501	on request
		Wall socket	-	GM	8.2 kg		X	GHG 514 4506 R3006	on request
		Wall socket	-	GM	8.2 kg	X		GHG 514 4506 R3106	on request
		Plug			0.9 kg	X	X	GHG 514 7506 R0001	8009436

Accessories

Type	OU	Order No.
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0006
Set of cable lugs 25 mm <sup>2</sup> (5 pcs., for plug)	5	GHG 510 1916 R0001

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M50, 1 x M50 plastic Ex-screw plug

KH = 1 x plastic cable glands M50, 1 x plastic cable glands M25, with aux. contact

ME = 2 x metal thread M40 with plastic Ex-screw plug

GM = 2 x metal thread M40 with screw plug M40 with external earth bolt M8