

# EMC-Ex e CABLE GLANDS

Safe EMC protection plus explosion area approval: This is what EMC Ex e cable glands deliver. HUMMEL also offers a range of designs for particular requirements here, too. These include cable glands for high-temperature applications, designs for very easy fitting and also stainless steel versions.

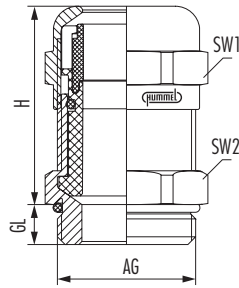
- // HSK-M-EMC-Ex: Cable glands with excellent shielding properties
- // HSK-M-EMC-D-Ex: Fast, easy fitting, combined with maximum EMC protection
- // HSK-M-EMC-PVDF-Ex: High-temperature cable glands with EMC connection and explosion protection
- // HSK-INOX-EMC-Ex: Stainless steel cable glands
- // HSK-MZ-EMC-Ex: Glands with a high level of tension-relief, EMC and explosion protection

HUMMEL has many years of experience in handling components for explosion-protection areas. This is why we have a sophisticated range of explosion area products in a range of materials and designs.



# EMC-Ex e cable glands

HSK-M-EMC-D-Ex (metric, PG)



Material	Nickel-plated brass
Clamping insert	Metallized polyamide
Seal	NBR
Material o-ring	NBR
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
Temperature range	-20°C to +95°C / -60°C to +95°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -60°C to +95°C
M16 x 1.5	5 – 10	6	29	20/20	11	1.636.1600.50	1.637.1600.50
M16 x 1.5	5 – 10	10	29	20/20	11	1.636.1600.30	1.637.1600.30
M20 x 1.5	10 – 14	6	31	24/24	13	1.636.2000.50	1.637.2000.50
M20 x 1.5	10 – 14	10	31	24/24	13	1.636.2000.30	1.637.2000.30
M25 x 1.5	13 – 18	7	38	30/30	15	1.636.2500.50	1.637.2500.50
M25 x 1.5	13 – 18	12	38	30/30	15	1.636.2500.30	1.637.2500.30
M32 x 1.5	18 – 25	8	43	40/40	17.5	1.636.3200.50	1.637.3200.50
M32 x 1.5	18 – 25	12	43	40/40	17.5	1.636.3200.30	1.637.3200.30
M40 x 1.5	24 – 32	8	51	50/50	25	1.636.4000.50	1.637.4000.50
M40 x 1.5	24 – 32	15	51	50/50	25	1.636.4000.30	1.637.4000.30
PG 11	5 – 10	6	29	20/20	11	1.636.1100.01	1.637.1100.01
PG 13.5	7 – 12	6.5	31	22/22	12	1.636.1300.01	1.637.1300.01
PG 16	10 – 14	6.5	32	24/24	13	1.636.1600.01	1.637.1600.01
PG 21	13 – 18	7	38	30/30	15	1.636.2100.01	1.637.2100.01
PG 29	18 – 25	8	43	40/40	17.5	1.636.2900.01	1.637.2900.01
PG 36	24 – 32	8	48	50/50	25	1.636.3600.01	1.637.3600.01

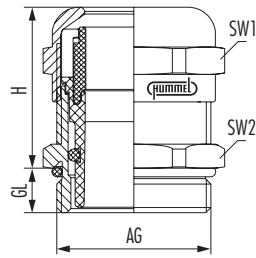


to the product video



to the assembly instruction





Material	Nickel-plated brass
Clamping insert	Polyamide VO according to UL 94
Seal	NBR
Material o-ring	NBR
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
NEMA type rating	4 / 4X / 6
Temperature range	-60°C to +95°C / -20°C to +95°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -60°C to +95°C
M12 x 1.5	2 – 5	6.5	19	14/14	4	1.616.1200.51	1.646.1200.51
M12 x 1.5	3 – 6.5	6.5	19	14/14	4	1.616.1200.50	1.646.1200.50
M16 x 1.5	3 – 7	6	22	20/20	5	1.616.1600.51	1.646.1600.51
M16 x 1.5	5 – 10	6	22	20/20	5	1.616.1600.50	1.646.1600.50
M20 x 1.5	7 – 12	6	23	24/24	10	1.616.2000.51	1.646.2000.51
M20 x 1.5	10 – 14	6	23	24/24	10	1.616.2000.50	1.646.2000.50
M25 x 1.5	10 – 16	7	24	30/30	12	1.616.2500.51	1.646.2500.51
M25 x 1.5	14 – 18	7	24	30/30	12	1.616.2500.50	1.646.2500.50
M32 x 1.5	13 – 20	8	31	40/40	15	1.616.3200.51	1.646.3200.51
M32 x 1.5	20 – 25	8	31	40/40	15	1.616.3200.50	1.646.3200.50
M40 x 1.5	20 – 26	8	37	50/50	15	1.616.4000.51	1.646.4000.51
M40 x 1.5	22 – 32	8	37	50/50	15	1.616.4000.50	1.646.4000.50
M50 x 1.5	25 – 31	9	37	57/57	24	1.616.5000.51	1.646.5000.51
M50 x 1.5	32 – 38	9	37	57/57	24	1.616.5000.50	1.646.5000.50
M63 x 1.5	29 – 35	10	38	64/68	30	1.616.6300.51	1.646.6300.51
M63 x 1.5	37 – 44	10	38	64/68	30	1.616.6300.50	1.646.6300.50



to the product video



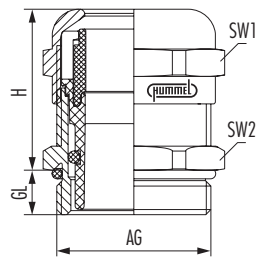
to the assembly  
instruction





# EMC-Ex e cable glands

## HSK-M-EMC-Ex (PG)



Material	Nickel-plated brass
Clamping insert	Polyamide VO according to UL 94
Seal	NBR
Material o-ring	NBR
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
NEMA type rating	4 / 4X / 6
Temperature range	-20°C to +95°C / -60°C to +95°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -60°C to +95°C
PG 7	2 – 5	5	19	14/14	4	1.616.0700.15	1.646.0700.15
PG 7	3 – 6.5	5	19	14/14	4	1.616.0700.01	1.646.0700.01
PG 9	2 – 6	6	21	17/17	6	1.616.0900.15	1.646.0900.15
PG 9	4 – 8	6	21	17/17	6	1.616.0900.01	1.646.0900.01
PG 11	3 – 7	6	22	20/20	5	1.616.1100.15	1.646.1100.15
PG 11	5 – 10	6	22	20/20	5	1.616.1100.01	1.646.1100.01
PG 13.5	5 – 9	6.5	24	22/22	8	1.616.1300.15	1.646.1300.15
PG 13.5	6 – 12	6.5	24	22/22	8	1.616.1300.01	1.646.1300.01
PG 16	7 – 12	6.5	23	24/24	10	1.616.1600.15	1.646.1600.15
PG 16	10 – 14	6.5	23	24/24	10	1.616.1600.01	1.646.1600.01
PG 21	10 – 16	7	24	30/30	12	1.616.2100.15	1.646.2100.15
PG 21	14 – 18	7	24	30/30	12	1.616.2100.01	1.646.2100.01
PG 29	13 – 20	8	29	40/40	15	1.616.2900.15	1.646.2900.15
PG 29	20 – 25	8	29	40/40	15	1.616.2900.01	1.646.2900.01
PG 36	20 – 26	8	35	50/50	15	1.616.3600.15	1.646.3600.15
PG 36	22 – 32	8	35	50/50	15	1.616.3600.01	1.646.3600.01
PG 42	25 – 31	9	37	57/57	24	1.616.4200.15	1.646.4200.15
PG 42	32 – 38	9	37	57/57	24	1.616.4200.01	1.646.4200.01
PG 48	29 – 35	10	38	64/64	30	1.616.4800.15	1.646.4800.15
PG 48	37 – 44	10	38	64/64	30	1.616.4800.01	1.646.4800.01

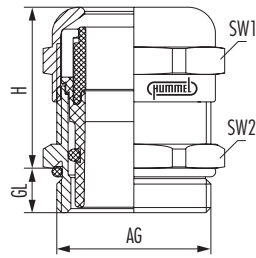


to the product video



to the assembly  
instruction





Material	Nickel-plated brass
Clamping insert	Polyamide VO according to UL 94
Seal	NBR
Material o-ring	NBR
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
NEMA type rating	4 / 4X / 6
Temperature range	-20°C to +95°C / -60°C to +95°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -60°C to +95°C
NPT 3/8"	2 – 6	15	21	17/19	6	1.616.3800.71	1.646.3800.71
NPT 3/8"	4 – 8	15	21	17/19	6	1.616.3800.70	1.646.3800.70
NPT 1/2"	5 – 9	13	24	22/24	8	1.616.1200.71	1.646.1200.71
NPT 1/2"	6 – 12	13	24	22/24	8	1.616.1200.70	1.646.1200.70
NPT 3/4"	10 – 16	13	25	30/30	12	1.616.3400.71	1.646.3400.71
NPT 3/4"	14 – 18	13	25	30/30	12	1.616.3400.70	1.646.3400.70



to the product video

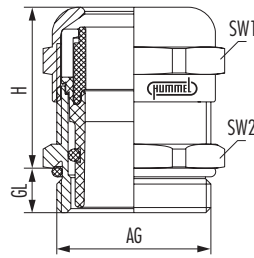


to the assembly  
instruction



# EMC-Ex e cable glands

## HSK-M-EMC-PVDF-Ex (PG, NPT)




Material	Nickel-plated brass
Clamping insert	PVDF
Seal	FKM
Material o-ring	FKM
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
NEMA type rating	4 / 4X / 6
Temperature range	-20°C to +130°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	 Nm	Item-No
PG 7	2 – 5	5	19	14/14	4	1.666.0700.15
PG 7	3 – 6.5	5	19	14/14	4	1.666.0700.01
PG 9	2 – 6	6	21	17/17	6	1.666.0900.15
PG 9	4 – 8	6	21	17/17	6	1.666.0900.01
PG 11	3 – 7	6	22	20/20	5	1.666.1100.15
PG 11	5 – 10	6	22	20/20	5	1.666.1100.01
PG 13.5	5 – 9	6.5	24	22/22	8	1.666.1300.15
PG 13.5	6 – 12	6.5	24	22/22	8	1.666.1300.01
PG 16	7 – 12	6.5	23	24/24	10	1.666.1600.15
PG 16	10 – 14	6.5	23	24/24	10	1.666.1600.01
PG 21	10 – 16	7	24	30/30	12	1.666.2100.15
PG 21	14 – 18	7	24	30/30	12	1.666.2100.01
PG 29	13 – 20	8	29	40/40	15	1.666.2900.15
PG 29	20 – 25	8	29	40/40	15	1.666.2900.01
PG 36	20 – 26	8	35	50/50	15	1.666.3600.15
PG 36	22 – 32	8	35	50/50	15	1.666.3600.01
PG 42	25 – 31	8	35	50/50	24	1.666.4200.15
PG 42	32 – 38	8	35	50/50	24	1.666.4200.01
PG 48	29 – 35	8	35	50/50	30	1.666.4800.15
PG 48	37 – 44	8	35	50/50	30	1.666.4800.01
NPT 3/8"	2 – 6	15	21	17/19	6	1.666.3800.71
NPT 3/8"	4 – 8	15	21	17/19	6	1.666.3800.70
NPT 1/2"	5 – 9	13	24	22/24	8	1.666.1200.71
NPT 1/2"	6 – 12	13	24	22/24	8	1.666.1200.70
NPT 3/4"	10 – 16	13	25	30/30	12	1.666.3400.71
NPT 3/4"	14 – 18	13	25	30/30	12	1.666.3400.70

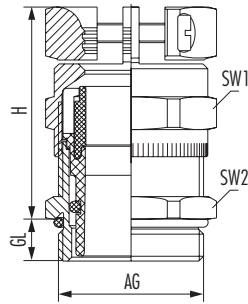


to the product video



to the assembly  
instruction





Material	Nickel-plated brass
Clamping insert	Polyamide VO according to UL 94
Seal	NBR
Material o-ring	NBR
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
NEMA type rating	4 / 4X / 6
Temperature range	-20°C to +95°C / -60°C to +95°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -60°C to +95°C
M12 x 1.5	3 – 6.5	6.5	26	14/14	4	1.617.1200.50	1.647.1200.50
M16 x 1.5	5 – 10	6	29	20/20	5	1.617.1600.50	1.647.1600.50
M20 x 1.5	10 – 14	6	32	24/24	10	1.617.2000.50	1.647.2000.50
M25 x 1.5	14 – 18	7	35	30/30	12	1.617.2500.50	1.647.2500.50
M32 x 1.5	20 – 25	8	41	40/40	15	1.617.3200.50	1.647.3200.50
M40 x 1.5	24 – 32	8	48	50/50	15	1.617.4000.50	1.647.4000.50
M50 x 1.5	28 – 31	9	51	57/57	24	1.617.5000.51	1.647.5000.51
M50 x 1.5	32 – 38	9	51	57/57	24	1.617.5000.50	1.647.5000.50
M63 x 1.5	32 – 35	10	52	68/68	30	1.617.6300.51	1.647.6300.51
M63 x 1.5	37 – 44	10	52	68/68	30	1.617.6300.50	1.647.6300.50
PG 7	3 – 6.5	5	26	14/14	4	1.617.0700.01	1.647.0700.01
PG 9	4 – 8	6	28	17/17	6	1.617.0900.01	1.647.0900.01
PG 11	5 – 10	6	29	20/20	5	1.617.1100.01	1.647.1100.01
PG 13.5	7 – 12	6.5	33	22/22	8	1.617.1300.01	1.647.1300.01
PG 16	10 – 14	6.5	32	24/24	10	1.617.1600.01	1.647.1600.01
PG 21	13 – 18	7	35	30/30	12	1.617.2100.01	1.647.2100.01
PG 29	20 – 25	8	41	40/40	15	1.617.2900.01	1.647.2900.01
PG 36	24 – 32	8	48	50/50	15	1.617.3600.01	1.647.3600.01
PG 42	28 – 31	9	51	57/57	24	1.617.4200.15	1.647.4200.15
PG 42	32 – 38	9	51	57/57	24	1.617.4200.01	1.647.4200.01
PG 48	32 – 35	10	51	64/64	30	1.617.4800.15	1.647.4800.15
PG 48	37 – 44	10	51	64/64	30	1.617.4800.01	1.647.4800.01
NPT 3/8"	4 – 8	15	27	17/19	6	1.617.3800.70	1.647.3800.70
NPT 1/2"	7 – 12	13	31	22/24	8	1.617.1200.70	1.647.1200.70
NPT 3/4"	13 – 18	13	36	30/30	12	1.617.3400.70	1.647.3400.70



to the product video

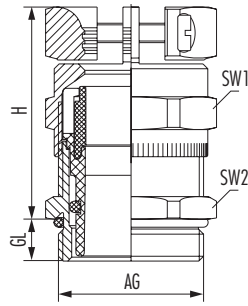


to the assembly instruction



# EMC-Ex e cable glands

## HSK-MZ-EMC-PVDF-Ex (PG, NPT)




Material	Nickel-plated brass
Clamping insert	PVDF
Seal	FKM
Material o-ring	FKM
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
NEMA type rating	4 / 4X / 6
Temperature range	-20°C to +130°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	 Nm	Item-No
PG 7	3 – 6.5	5	26	14/14	4	1.667.0700.01
PG 9	4 – 8	6	28	17/17	6	1.667.0900.01
PG 11	5 – 10	6	29	20/20	5	1.667.1100.01
PG 13.5	7 – 12	6.5	33	22/22	8	1.667.1300.01
PG 16	10 – 14	6.5	32	24/24	10	1.667.1600.01
PG 21	13 – 18	7	35	30/30	12	1.667.2100.01
PG 29	20 – 25	8	41	40/40	15	1.667.2900.01
PG 36	24 – 32	8	48	50/50	15	1.667.3600.01
PG 42	28 – 31	9	51	57/57	24	1.667.4200.15
PG 42	32 – 38	9	51	57/57	24	1.667.4200.01
PG 48	32 – 35	10	51	64/64	24	1.667.4800.15
PG 48	37 – 44	10	51	64/64	30	1.667.4800.01
NPT 3/8"	4 – 8	15	27	17/19	6	1.667.3800.70
NPT 1/2"	7 – 12	13	31	22/24	8	1.667.1200.70
NPT 3/4"	13 – 18	13	36	30/30	12	1.667.3400.70



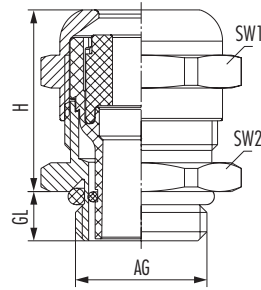
to the product video



to the assembly instruction







Material	INOX 1.4305
Clamping insert	Polyamide V0 according to UL 94
Seal	NBR
Material o-ring	NBR
Protection class	IP 68 – 10 bar / IP 69 K
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
NEMA type rating	4 / 4X / 6
Temperature range	-60°C to +95°C

RoHS

EMV  
EMC

// Elongated threads on request

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	 Nm	Item-No
M12 x 1.5	2 – 5	6.5	19	14/14	4	1.673.1200.51
M12 x 1.5	3 – 6.5	6.5	19	14/14	4	1.673.1200.50
M16 x 1.5	3 – 7	6	21	22/22	5	1.673.1600.51
M16 x 1.5	5 – 10	6	21	22/22	5	1.673.1600.50
M20 x 1.5	7 – 12	6	23	24/24	10	1.673.2000.51
M20 x 1.5	10 – 14	6	23	24/24	10	1.673.2000.50
M25 x 1.5	9 – 16	7	26	30/30	12	1.673.2500.51
M25 x 1.5	13 – 18	7	26	30/30	12	1.673.2500.50
M32 x 1.5	13 – 20	8	31	41/41	15	1.673.3200.51
M32 x 1.5	18 – 25	8	31	41/41	15	1.673.3200.50
M40 x 1.5	20 – 26	8	37	50/50	15	1.673.4000.51
M40 x 1.5	22 – 32	8	37	50/50	15	1.673.4000.50
PG 7	2 – 5	5	19	14/14	4	1.673.0700.15
PG 7	3 – 6.5	5	19	14/14	4	1.673.0700.01
PG 9	2 – 6	6	21	17/17	6	1.673.0900.15
PG 9	4 – 8	6	21	17/17	6	1.673.0900.01
PG 11	3 – 7	6	22	22/22	5	1.673.1100.15
PG 11	5 – 10	6	22	22/22	5	1.673.1100.01
PG 13.5	5 – 9	6.5	24	22/22	8	1.673.1300.15
PG 13.5	6 – 12	6.5	24	22/22	8	1.673.1300.01
PG 16	7 – 12	6.5	23	24/24	10	1.673.1600.15
PG 16	10 – 14	6.5	23	24/24	10	1.673.1600.01
PG 21	9 – 16	7	24	30/30	12	1.673.2100.15
PG 21	13 – 18	7	24	30/30	12	1.673.2100.01
PG 29	13 – 20	8	29	41/41	15	1.673.2900.15
PG 29	18 – 25	8	29	41/41	15	1.673.2900.01
PG 36	20 – 26	8	35	50/50	15	1.673.3600.15
PG 36	22 – 32	8	35	50/50	15	1.673.3600.01



to the product video



to the assembly instruction

