

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

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	1.610.1200.51	1.640.1200.51
M12 x 1.5	3 – 6.5	6.5	19	14/14	4	1.610.1200.50	1.640.1200.50
M16 x 1.5	2 – 6	6	21	17/19	6	1.610.1600.51	1.640.1600.51
M16 x 1.5	3 – 7	6	22	20/20	5	1.610.1611.51	1.640.1611.51
M16 x 1.5	4 – 8	6	21	17/19	6	1.610.1600.50	1.640.1600.50
M16 x 1.5	5 – 10	6	22	20/20	5	1.610.1611.50	1.640.1611.50
M20 x 1.5	5 – 9	6	23	22/22	8	1.610.2000.51	1.640.2000.51
M20 x 1.5	6 – 12	6	23	22/22	8	1.610.2000.50	1.640.2000.50
M20 x 1.5	7 – 12	6	24	24/24	10	1.610.2016.51	1.640.2016.51
M20 x 1.5	10 – 14	6	24	24/24	10	1.610.2016.50	1.640.2016.50
M25 x 1.5	10 – 16	7	26	30/30	12	1.610.2500.51	1.640.2500.51
M25 x 1.5	14 – 18	7	26	30/30	12	1.610.2500.50	1.640.2500.50
M32 x 1.5	13 – 20	8	31	40/40	15	1.610.3200.51	1.640.3200.51
M32 x 1.5	20 – 25	8	31	40/40	15	1.610.3200.50	1.640.3200.50
M40 x 1.5	20 – 26	8	37	50/50	15	1.610.4000.51	1.640.4000.51
M40 x 1.5	22 – 32	8	37	50/50	15	1.610.4000.50	1.640.4000.50
M50 x 1.5	25 – 31	9	37	57/57	24	1.610.5000.51	1.640.5000.51
M50 x 1.5	32 – 38	9	37	57/57	24	1.610.5000.50	1.640.5000.50
M63 x 1.5	29 – 35	10	38	64/68	30	1.610.6300.51	1.640.6300.51
M63 x 1.5	37 – 44	10	38	64/68	30	1.610.6300.50	1.640.6300.50

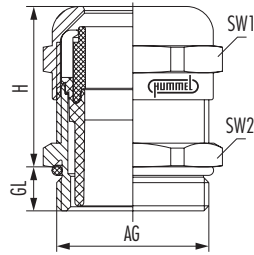


to the assembly instruction



Ex cable glands

HSK-M Ex (metric-long)



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

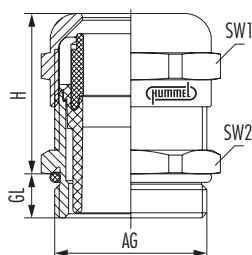
AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -60°C to +95°C
M12 x 1.5	2 – 5	10	19	14/14	4	1.610.1200.31	1.640.1200.31
M12 x 1.5	3 – 6.5	10	19	14/14	4	1.610.1200.30	1.640.1200.30
M16 x 1.5	2 – 6	10	21	17/19	6	1.610.1600.31	1.640.1600.31
M16 x 1.5	3 – 7	10	22	20/20	5	1.610.1611.31	1.640.1611.31
M16 x 1.5	4 – 8	10	21	17/19	6	1.610.1600.30	1.640.1600.30
M16 x 1.5	5 – 10	10	22	20/20	5	1.610.1611.30	1.640.1611.30
M20 x 1.5	5 – 9	10	23	22/22	8	1.610.2000.31	1.640.2000.31
M20 x 1.5	6 – 12	10	23	22/22	8	1.610.2000.30	1.640.2000.30
M20 x 1.5	7 – 12	10	24	24/24	10	1.610.2016.31	1.640.2016.31
M20 x 1.5	10 – 14	10	24	24/24	10	1.610.2016.30	1.640.2016.30
M25 x 1.5	10 – 16	12	26	30/30	12	1.610.2500.31	1.640.2500.31
M25 x 1.5	14 – 18	12	26	30/30	12	1.610.2500.30	1.640.2500.30
M32 x 1.5	13 – 20	12	31	40/40	15	1.610.3200.31	1.640.3200.31
M32 x 1.5	20 – 25	12	31	40/40	15	1.610.3200.30	1.640.3200.30
M40 x 1.5	20 – 26	15	37	50/50	15	1.610.4000.31	1.640.4000.31
M40 x 1.5	22 – 32	15	37	50/50	15	1.610.4000.30	1.640.4000.30
M50 x 1.5	25 – 31	15	37	57/57	24	1.610.5000.31	1.640.5000.31
M50 x 1.5	32 – 38	15	37	57/57	24	1.610.5000.30	1.640.5000.30
M63 x 1.5	29 – 35	15	38	64/68	30	1.610.6300.31	1.640.6300.31
M63 x 1.5	37 – 44	15	38	64/68	30	1.610.6300.30	1.640.6300.30



to the assembly
instruction



ATEX Ex



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

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	1.610.0700.15	1.640.0700.15
PG 7	3 – 6.5	5	19	14/14	4	1.610.0700.01	1.640.0700.01
PG 9	2 – 6	6	21	17/17	6	1.610.0900.15	1.640.0900.15
PG 9	4 – 8	6	21	17/17	6	1.610.0900.01	1.640.0900.01
PG 11	3 – 7	6	22	20/20	5	1.610.1100.15	1.640.1100.15
PG 11	5 – 10	6	22	20/20	5	1.610.1100.01	1.640.1100.01
PG 13.5	5 – 9	6.5	24	22/22	8	1.610.1300.15	1.640.1300.15
PG 13.5	6 – 12	6.5	24	22/22	8	1.610.1300.01	1.640.1300.01
PG 16	7 – 12	6.5	23	24/24	10	1.610.1600.15	1.640.1600.15
PG 16	10 – 14	6.5	23	24/24	10	1.610.1600.01	1.640.1600.01
PG 21	10 – 16	7	24	30/30	12	1.610.2100.15	1.640.2100.15
PG 21	14 – 18	7	24	30/30	12	1.610.2100.01	1.640.2100.01
PG 29	13 – 20	8	29	40/40	15	1.610.2900.15	1.640.2900.15
PG 29	20 – 25	8	29	40/40	15	1.610.2900.01	1.640.2900.01
PG 36	20 – 26	8	35	50/50	15	1.610.3600.15	1.640.3600.15
PG 36	22 – 32	8	35	50/50	15	1.610.3600.01	1.640.3600.01
PG 42	25 – 31	9	37	57/57	24	1.610.4200.15	1.640.4200.15
PG 42	32 – 38	9	37	57/57	24	1.610.4200.01	1.640.4200.01
PG 48	29 – 35	10	38	64/64	30	1.610.4800.15	1.640.4800.15
PG 48	37 – 44	10	38	64/64	30	1.610.4800.01	1.640.4800.01



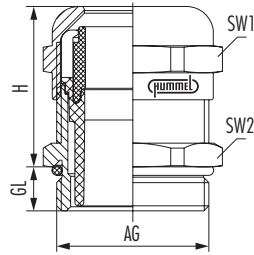
to the assembly
instruction



ATEX Ex

Ex cable glands

HSK-M-Ex (PG long)



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

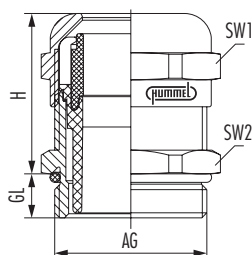
AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -60°C to +95°C
PG 7	2 – 5	10	19	14/14	4	1.610.0700.61	1.640.0700.61
PG 7	3 – 6.5	10	19	14/14	4	1.610.0700.60	1.640.0700.60
PG 9	2 – 6	10	21	17/17	6	1.610.0900.61	1.640.0900.61
PG 9	4 – 8	10	21	17/17	6	1.610.0900.60	1.640.0900.60
PG 11	3 – 7	10	22	20/20	5	1.610.1100.61	1.640.1100.61
PG 11	5 – 10	10	22	20/20	5	1.610.1100.60	1.640.1100.60
PG 13.5	5 – 9	10	24	22/22	8	1.610.1300.61	1.640.1300.61
PG 13.5	6 – 12	10	24	22/22	8	1.610.1300.60	1.640.1300.60
PG 16	7 – 12	10	23	24/24	10	1.610.1600.61	1.640.1600.61
PG 16	10 – 14	10	23	24/24	10	1.610.1600.60	1.640.1600.60
PG 21	10 – 16	12	24	30/30	12	1.610.2100.61	1.640.2100.61
PG 21	14 – 18	12	24	30/30	12	1.610.2100.60	1.640.2100.60
PG 29	13 – 20	12	29	40/40	15	1.610.2900.61	1.640.2900.61
PG 29	20 – 25	12	29	40/40	15	1.610.2900.60	1.640.2900.60
PG 36	20 – 26	15	35	50/50	15	1.610.3600.61	1.640.3600.61
PG 36	22 – 32	15	35	50/50	15	1.610.3600.60	1.640.3600.60
PG 42	25 – 31	15	37	57/57	24	1.610.4200.61	1.640.4200.61
PG 42	32 – 38	15	37	57/57	24	1.610.4200.60	1.640.4200.60
PG 48	29 – 35	15	38	64/64	30	1.610.4800.61	1.640.4800.61
PG 48	37 – 44	15	38	64/64	30	1.610.4800.60	1.640.4800.60



to the assembly
instruction



ATEX^{Ex}



Material	Nickel-plated brass
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	-20°C to +95°C / -60°C to +95°C

RoHS

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	1.610.3800.71	1.640.3800.71
NPT 3/8"	4 – 8	15	21	17/19	6	1.610.3800.70	1.640.3800.70
NPT 1/2"	5 – 9	13	24	22/24	8	1.610.1200.71	1.640.1200.71
NPT 1/2"	6 – 12	13	24	22/24	8	1.610.1200.70	1.640.1200.70
NPT 3/4"	10 – 16	13	25	30/30	12	1.610.3400.71	1.640.3400.71
NPT 3/4"	14 – 18	13	25	30/30	12	1.610.3400.70	1.640.3400.70
NPT 1"	13 – 20	19	29	40/40	15	1.610.1000.71	1.640.1000.71
NPT 1"	20 – 25	19	29	40/40	15	1.610.1000.70	1.640.1000.70



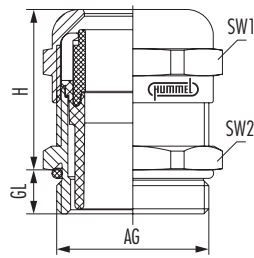
to the assembly
instruction



ATEX^{Ex}

Ex cable glands

HSK-M-PVDF-Ex (metric/-long)



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

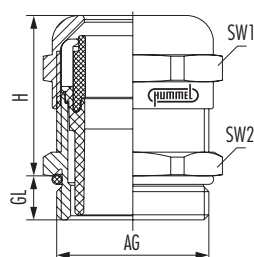
RoHS

AG	∅k mm	H mm	SW1/SW2 mm	⊕ Nm	GL mm	Item-No short	GL mm	Item-No long
M12 x 1.5	2 – 5	19	14/14	4	6.5	1.660.1200.51	10	1.660.1200.31
M12 x 1.5	3 – 6.5	19	14/14	4	6.5	1.660.1200.50	10	1.660.1200.30
M16 x 1.5	2 – 6	21	17/19	6	6	1.660.1600.51	10	1.660.1600.31
M16 x 1.5	3 – 7	22	20/20	5	6	1.660.1611.51	10	1.660.1611.31
M16 x 1.5	4 – 8	21	17/19	6	6	1.660.1600.50	10	1.660.1600.30
M16 x 1.5	5 – 10	22	20/20	5	6	1.660.1611.50	10	1.660.1611.30
M20 x 1.5	5 – 9	23	22/22	8	6	1.660.2000.51	10	1.660.2000.31
M20 x 1.5	6 – 12	23	22/22	8	6	1.660.2000.50	10	1.660.2000.30
M20 x 1.5	7 – 12	24	24/24	10	6	1.660.2016.51	10	1.660.2016.31
M20 x 1.5	10 – 14	24	24/24	10	6	1.660.2016.50	10	1.660.2016.30
M25 x 1.5	10 – 16	26	30/30	12	7	1.660.2500.51	12	1.660.2500.31
M25 x 1.5	14 – 18	26	30/30	12	7	1.660.2500.50	12	1.660.2500.30
M32 x 1.5	13 – 20	31	40/40	15	8	1.660.3200.51	12	1.660.3200.31
M32 x 1.5	20 – 25	31	40/40	15	8	1.660.3200.50	12	1.660.3200.30
M40 x 1.5	20 – 26	37	50/50	15	8	1.660.4000.51	15	1.660.4000.31
M40 x 1.5	22 – 32	37	50/50	15	8	1.660.4000.50	15	1.660.4000.30



to the assembly
instruction





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

AG	∅k mm	H mm	SW1/SW2 mm	⊕ Nm	GL mm	Item-No short	GL mm	Item-No long
PG 7	2 – 5	19	14/14	4	5	1.660.0700.15	10	1.660.0700.61
PG 7	3 – 6.5	19	14/14	4	5	1.660.0700.01	10	1.660.0700.60
PG 9	2 – 6	21	17/17	6	6	1.660.0900.15	10	1.660.0900.61
PG 9	4 – 8	21	17/17	6	6	1.660.0900.01	10	1.660.0900.60
PG 11	3 – 7	22	20/20	5	6	1.660.1100.15	10	1.660.1100.61
PG 11	5 – 10	22	20/20	5	6	1.660.1100.01	10	1.660.1100.60
PG 13.5	5 – 9	24	22/22	8	6.5	1.660.1300.15	10	1.660.1300.61
PG 13.5	6 – 12	24	22/22	8	6.5	1.660.1300.01	10	1.660.1300.60
PG 16	7 – 12	23	24/24	10	6.5	1.660.1600.15	10	1.660.1600.61
PG 16	10 – 14	23	24/24	10	6.5	1.660.1600.01	10	1.660.1600.60
PG 21	10 – 16	24	30/30	12	7	1.660.2100.15	12	1.660.2100.61
PG 21	14 – 18	24	30/30	12	7	1.660.2100.01	12	1.660.2100.60
PG 29	13 – 20	29	40/40	15	8	1.660.2900.15	12	1.660.2900.61
PG 29	20 – 25	29	40/40	15	8	1.660.2900.01	12	1.660.2900.60
PG 36	20 – 26	35	50/50	15	8	1.660.3600.15	15	1.660.3600.61
PG 36	22 – 32	35	50/50	15	8	1.660.3600.01	15	1.660.3600.60
PG 42	25 – 31	37	57/57	24	9	1.660.4200.15	15	1.660.4200.61
PG 42	32 – 38	37	57/57	24	9	1.660.4200.01	15	1.660.4200.60
PG 48	29 – 35	38	64/64	30	10	1.660.4800.15	15	1.660.4800.61
PG 48	37 – 44	38	64/64	30	10	1.660.4800.01	15	1.660.4800.60

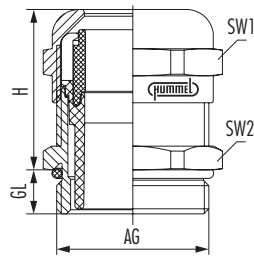


to the assembly instruction



Ex cable glands

HSK-M-PVDF-Ex (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

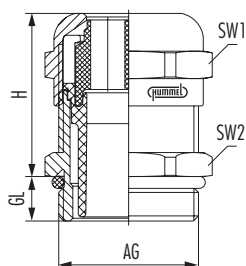
AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⌀ Nm	Item-No
NPT 3/8"	2 – 6	15	21	17/19	6	1.660.3800.71
NPT 3/8"	4 – 8	15	21	17/19	6	1.660.3800.70
NPT 1/2"	5 – 9	13	24	22/24	8	1.660.1200.71
NPT 1/2"	6 – 12	13	24	22/24	8	1.660.1200.70
NPT 3/4"	10 – 16	13	25	30/30	12	1.660.3400.71
NPT 3/4"	14 – 18	13	25	30/30	12	1.660.3400.70



to the assembly
instruction



ATEX Ex



Material	Nickel-plated brass
Clamping insert	Polyamide VO according to UL 94
Seal	Elastomer
Material o-ring	NBR
Protection class	IP 68
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
Temperature range	-20°C to +95°C

RoHS

// Further seal inserts on request

AG	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Number of holes x d	Item-No	Number of holes x d	Item-No
M16 x 1.5	6	21	17/19	5	2 x 3	1.687.1601.50	4 x 1.4	1.687.1600.50
M20 x 1.5	6	23	22/22	8	2 x 5	1.687.2003.50	6 x 3	1.687.2001.50
M25 x 1.5	7	26	30/30	12	3 x 7	1.687.2501.50	4 x 6	1.687.2500.50
M32 x 1.5	8	31	40/40	15	4 x 9	1.687.3201.50	6 x 6.5	1.687.3200.50
M40 x 1.5	8	37	50/50	15	2 x 15	1.687.4003.50	7 x 9	1.687.4001.50
M50 x 1.5	9	37	57/57	24	-	1.687.5099.50	-	-
M63 x 1.5	10	38	64/68	30	3 x 18	1.687.6302.50	6 x 12	1.687.6301.50
PG 9	6	21	17/17	5	2 x 3	1.687.0901.01	4 x 1.4	1.687.0900.01
PG 11	6	22	20/20	6	2 x 4	1.687.1102.01	3 x 3	1.687.1101.01
PG 13.5	6.5	24	22/22	8	2 x 5	1.687.1303.01	3 x 4	1.687.1302.01
PG 16	6.5	23	24/24	10	2 x 6	1.687.1605.01	3 x 5.6	1.687.1606.01
PG 16	6.5	23	24/24	10	4 x 4	1.687.1602.01	6 x 4	1.687.1604.01
PG 21	7	24	30/30	12	3 x 7	1.687.2101.01	4 x 6	1.687.2100.01
PG 29	8	29	40/40	15	4 x 9	1.687.2901.01	6 x 6.5	1.687.2900.01
PG 36	8	35	50/50	15	2 x 15	1.687.3603.01	7 x 9	1.687.3601.01
PG 48	10	38	64/64	30	3 x 18	1.687.4802.01	6 x 12	1.687.4801.01
NPT 3/8"	15	21	17/19	5	2 x 3	1.687.3801.70	4 x 1.4	1.687.3800.70
NPT 1/2"	13	24	24/24	8	2 x 5	1.687.1203.70	3 x 4	1.687.1220.70
NPT 3/4"	13	25	30/30	12	3 x 7	1.687.3401.70	4 x 6	1.687.3400.70
NPT 1"	19	29	40/40	15	4 x 9	1.687.1001.70	6 x 6.5	1.687.1000.70

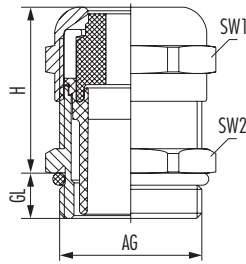


to the assembly
instruction



Ex cable glands

HSK-M-Flaka-Ex (metric, PG, NPT)



Material	Nickel-plated brass
Clamping insert	Polyamide VO according to UL 94
Seal	Elastomer
Material o-ring	NBR
Protection class	IP 65 / IP 68 – 10 bar and optimum assignment of all bores
Ex-protection level	II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
Temperature range	-20°C to +95°C

RoHS

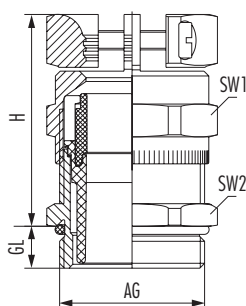
// Further seal inserts on request

AG	GL mm	H mm	SW1/SW2 mm	⊕ Nm	B x H mm	Item-No	B x H mm	Item-No
M20 x 1.5	6	24	24/24	10	12 x 7	1.689.2017.50	14 x 6	1.689.2018.50
M25 x 1.5	7	26	30/30	12	14 x 6	1.689.2500.50	14 x 7	1.689.2501.50
M32 x 1.5	8	31	40/40	15	22 x 8	1.689.3200.50		
M40 x 1.5	8	37	50/50	15	28.5 x 10	1.689.4000.50	29 x 5.5	1.689.4001.50
M40 x 1.5	8	37	50/50	15	30.5 x 12	1.689.4002.50	31 x 7.5	1.689.4003.50
M50 x 1.5	9	37	57/57	24	33.5 x 11.5	1.689.5000.50		
M63 x 1.5	10	38	64/68	30	38 x 12	1.689.6300.50		
PG 16	6.5	23	24/24	10	12 x 7	1.689.1601.01	14 x 6	1.689.1602.01
PG 21	7	24	30/30	12	14 x 7	1.689.2101.01	14 x 6	1.689.2100.01
PG 29	8	29	40/40	15	22 x 8	1.689.2900.01		
PG 36	8	35	50/50	15	28.5 x 10	1.689.3600.01	29 x 5.5	1.689.3601.01
PG 36	8	35	50/50	15	30.5 x 12	1.689.3602.01	31 x 7.5	1.689.3603.01
PG 42	9	37	57/57	24	33.5 x 11.5	1.689.4200.01		
PG 48	10	38	64/64	30	38 x 12	1.689.4802.01		
NPT 3/4"	13	25	30/30	12	14 x 7	1.689.3401.70	14 x 6	1.689.3400.70
NPT 1"	19	29	40/40	15	22 x 8	1.689.1000.70		



to the assembly
instruction





Material	Nickel-plated brass
Clamping insert	Polyamide V0 according to UL 94 / PVDF
Seal	NBR / FKM
Material o-ring	NBR / 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 +95°C / -60°C to +95°C / -20°C to +130°C

RoHS

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No -20°C to +95°C	Item-No -20°C to +130°C	Item-No -60°C to +95°C
M12 x 1.5	3 – 6.5	6.5	26	14/14	4	1.611.1200.50	1.661.1200.50	1.641.1200.50
M16 x 1.5	4 – 8	6	28	17/19	6	1.611.1600.50	1.661.1600.50	1.641.1600.50
M16 x 1.5	5 – 10	6	30	20/20	5	1.611.1611.50	1.661.1611.50	1.641.1611.50
M20 x 1.5	7 – 12	6	33	22/22	10	1.611.2000.50	1.661.2000.50	1.641.2000.50
M20 x 1.5	10 – 14	6	33	24/24	10	1.611.2016.50	1.661.2016.50	1.641.2016.50
M25 x 1.5	14 – 18	7	37	30/30	12	1.611.2500.50	1.661.2500.50	1.641.2500.50
M32 x 1.5	20 – 25	8	43	40/40	15	1.611.3200.50	1.661.3200.50	1.641.3200.50
M40 x 1.5	24 – 32	8	50	50/50	15	1.611.4000.50	1.661.4000.50	1.641.4000.50
M50 x 1.5	32 – 38	9	51	57/57	24	1.611.5000.50		1.641.5000.50
M63 x 1.5	37 – 44	10	52	64/68	30	1.611.6300.50		1.641.6300.50
PG 7	3 – 6.5	5	26	14/14	4	1.611.0700.01	1.661.0700.01	1.641.0700.01
PG 9	4 – 8	6	28	17/17	6	1.611.0900.01	1.661.0900.01	1.641.0900.01
PG 11	5 – 10	6	30	20/20	5	1.611.1100.01	1.661.1100.01	1.641.1100.01
PG 13.5	7 – 12	6	33	22/22	8	1.611.1300.01	1.661.1300.01	1.641.1300.01
PG 16	10 – 14	6	33	24/24	10	1.611.1600.01	1.661.1600.01	1.641.1600.01
PG 21	13 – 18	7	37	30/30	12	1.611.2100.01	1.661.2100.01	1.641.2100.01
PG 29	20 – 25	8	43	40/40	15	1.611.2900.01	1.661.2900.01	1.641.2900.01
PG 36	24 – 32	8	50	50/50	15	1.611.3600.01	1.661.3600.01	1.641.3600.01
PG 42	32 – 38	9	51	57/57	24	1.611.4200.01	1.661.4200.01	1.641.4200.01
PG 48	37 – 44	10	52	64/64	30	1.611.4800.01	1.661.4800.01	1.641.4800.01
NPT 3/8"	4 – 8	15	28	17/19	6	1.611.3800.70	1.661.3800.70	1.641.3800.70
NPT 1/2"	7 – 12	13	33	22/24	8	1.611.1200.70	1.661.1200.70	1.641.1200.70
NPT 3/4"	13 – 18	13	37	30/30	12	1.611.3400.70	1.661.3400.70	1.641.3400.70
NPT 1"	20 – 25	19	43	40/40	15	1.611.1000.70		1.641.1000.70



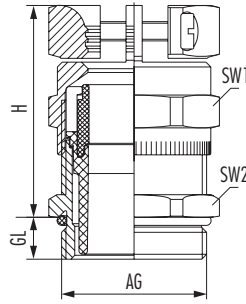
to the assembly
instruction



ATEX Ex


Ex cable glands

HSK-MZ-PVDF-Ex (metric, 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

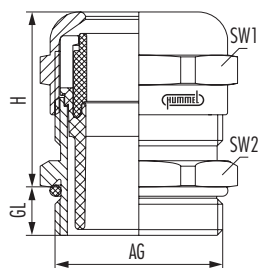
RoHS

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	 Nm	Item-No
M12 x 1.5	3 – 6.5	6.5	26	14/14	4	1.661.1200.50
M16 x 1.5	4 – 8	6	28	17/19	6	1.661.1600.50
M16 x 1.5	5 – 10	6	30	20/20	5	1.661.1611.50
M20 x 1.5	7 – 12	6	33	22/22	10	1.661.2000.50
M20 x 1.5	10 – 14	6	33	24/24	10	1.661.2016.50
M25 x 1.5	14 – 18	7	37	30/30	12	1.661.2500.50
M32 x 1.5	20 – 25	8	43	40/40	15	1.661.3200.50
M40 x 1.5	24 – 32	8	50	50/50	15	1.661.4000.50
PG 7	3 – 6.5	5	26	14/14	4	1.661.0700.01
PG 9	4 – 8	6	28	17/17	6	1.661.0900.01
PG 11	5 – 10	6	30	20/20	5	1.661.1100.01
PG 13.5	7 – 12	6	33	22/22	8	1.661.1300.01
PG 16	10 – 14	6	33	24/24	10	1.661.1600.01
PG 21	13 – 18	7	37	30/30	12	1.661.2100.01
PG 29	20 – 25	8	43	40/40	15	1.661.2900.01
PG 36	24 – 32	8	50	50/50	15	1.661.3600.01
PG 42	32 – 38	9	51	57/57	24	1.661.4200.01
PG 48	37 – 44	10	52	64/64	30	1.661.4800.01
NPT 3/8"	4 – 8	15	28	17/19	6	1.661.3800.70
NPT 1/2"	7 – 12	13	33	22/24	8	1.661.1200.70
NPT 3/4"	13 – 18	13	37	30/30	12	1.661.3400.70



to the assembly instruction





Material	INOX 1.4305
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

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	1.612.1200.51	1.642.1200.51
M12 x 1.5	3 – 6.5	6.5	19	14/14	4	1.612.1200.50	1.642.1200.50
M16 x 1.5	3 – 7	6	22	22/22	5	1.612.1600.51	1.642.1600.51
M16 x 1.5	5 – 10	6	22	22/22	5	1.612.1600.50	1.642.1600.50
M20 x 1.5	7 – 12	6	23	24/24	10	1.612.2000.51	1.642.2000.51
M20 x 1.5	10 – 14	6	23	24/24	10	1.612.2000.50	1.642.2000.50
M25 x 1.5	9 – 16	7	24	30/30	12	1.612.2500.51	1.642.2500.51
M25 x 1.5	13 – 18	7	24	30/30	12	1.612.2500.50	1.642.2500.50
M32 x 1.5	13 – 20	8	29	41/41	15	1.612.3200.51	1.642.3200.51
M32 x 1.5	20 – 25	8	29	41/41	15	1.612.3200.50	1.642.3200.50
M40 x 1.5	20 – 26	8	35	50/50	15	1.612.4000.51	1.642.4000.51
M40 x 1.5	22 – 32	8	35	50/50	15	1.612.4000.50	1.642.4000.50
PG 7	2 – 5	5	19	14/14	4	1.612.0700.15	1.642.0700.15
PG 7	3 – 6.5	5	19	14/14	4	1.612.0700.01	1.642.0700.01
PG 9	2 – 6	6	21	17/17	6	1.612.0900.15	1.642.0900.15
PG 9	4 – 8	6	21	17/17	6	1.612.0900.01	1.642.0900.01
PG 11	3 – 7	6	22	22/22	5	1.612.1100.15	1.642.1100.15
PG 11	5 – 10	6	22	22/22	5	1.612.1100.01	1.642.1100.01
PG 13.5	5 – 9	6	24	22/22	8	1.612.1300.15	1.642.1300.15
PG 13.5	7 – 12	6	24	22/22	8	1.612.1300.01	1.642.1300.01
PG 16	7 – 12	6	23	24/24	10	1.612.1600.15	1.642.1600.15
PG 16	10 – 14	6	23	24/24	10	1.612.1600.01	1.642.1600.01
PG 21	9 – 16	7	24	30/30	12	1.612.2100.15	1.642.2100.15
PG 21	13 – 18	7	24	30/30	12	1.612.2100.01	1.642.2100.01
PG 29	13 – 20	8	29	41/41	15	1.612.2900.15	1.642.2900.15
PG 29	20 – 25	8	29	41/41	15	1.612.2900.01	1.642.2900.01
PG 36	20 – 26	8	35	50/50	15	1.612.3600.15	1.642.3600.15
PG 36	22 – 32	8	35	50/50	15	1.612.3600.01	1.642.3600.01

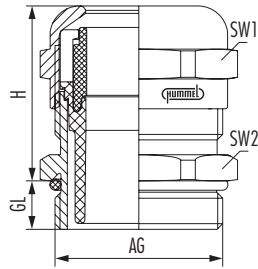
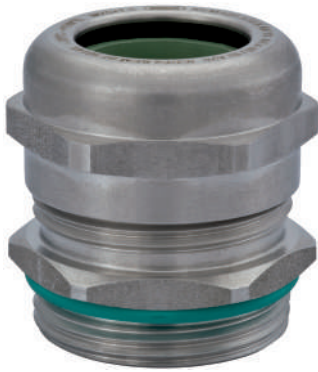


to the assembly
instruction




Ex cable glands

HSK-INOX-PVDF-Ex (metric, PG)



Material	INOX 1.4305
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

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	1.662.1200.51
M12 x 1.5	3 – 6.5	6.5	19	14/14	4	1.662.1200.50
M16 x 1.5	3 – 7	6	22	22/22	5	1.662.1600.51
M16 x 1.5	5 – 10	6	22	22/22	5	1.662.1600.50
M20 x 1.5	7 – 12	6	23	24/24	10	1.662.2000.51
M20 x 1.5	10 – 14	6	23	24/24	10	1.662.2000.50
M25 x 1.5	9 – 16	7	24	30/30	12	1.662.2500.51
M25 x 1.5	13 – 18	7	24	30/30	12	1.662.2500.50
M32 x 1.5	13 – 20	8	29	41/41	15	1.662.3200.51
M32 x 1.5	20 – 25	8	29	41/41	15	1.662.3200.50
M40 x 1.5	20 – 26	8	35	50/50	15	1.662.4000.51
M40 x 1.5	22 – 32	8	35	50/50	15	1.662.4000.50
PG 7	2 – 5	5	19	14/14	4	1.662.0700.15
PG 7	3 – 6.5	5	19	14/14	4	1.662.0700.01
PG 9	2 – 6	6	21	17/17	6	1.662.0900.15
PG 9	4 – 8	6	21	17/17	6	1.662.0900.01
PG 11	3 – 7	6	22	22/22	5	1.662.1100.15
PG 11	5 – 10	6	22	22/22	5	1.662.1100.01
PG 13.5	5 – 9	6	24	22/22	8	1.662.1300.15
PG 13.5	7 – 12	6	24	22/22	8	1.662.1300.01
PG 16	7 – 12	6	23	24/24	10	1.662.1600.15
PG 16	10 – 14	6	23	24/24	10	1.662.1600.01
PG 21	9 – 16	7	24	30/30	12	1.662.2100.15
PG 21	13 – 18	7	24	30/30	12	1.662.2100.01
PG 29	13 – 20	8	29	41/41	15	1.662.2900.15
PG 29	20 – 25	8	29	41/41	15	1.662.2900.01
PG 36	20 – 26	8	35	50/50	15	1.662.3600.15
PG 36	22 – 32	8	35	50/50	15	1.662.3600.01



to the assembly instruction

