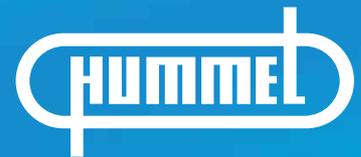


Vishwakarma Enterprises

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Setting Standards

ELEKTROTECHNIK

MADE BY HUMMEL

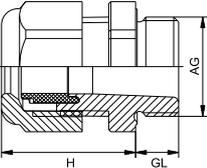


- Cable Glands
- Cable Protection
- Circular Connectors
- Industrial Enclosures

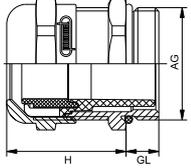
Contents

S.No.	Product Range	Page No.
1.	HSK - Standard Cable Glands	
	• HSK-K (Polyamide)	3
	• HSK-M/HSK-M-PVDF (Metal)	4
2.	Metrica Cable Glands	
	• Metrica-P, Metrica-M (Metal)	5
3.	Accessories	
	• V-N-FS, V-N-MS (Dome Plug), V-N-MS-SD	6
	• GM-FS, GM-MS (Locknut)	7
4.	Single and Double Compression Type Glands	8
5.	HSK Cable Glands for Special Applications	9
6.	Industrial Cable Glands for Hazardous Area	9
7.	DN Conduits & Fittings	10
8.	DN Slit Conduits	11
9.	Metal Conduit	12-13
10.	Plastic Conduit	14
11.	Heat Protection Products	15
12.	Enclosure	16
13.	Customization of Enclosures	17
14.	Circular Connectors	18

HSK - Standard Cable Glands

HSK-K					Metrc., PG		
	Material	Polyamide V0 according to UL 94			   		
	Seal	Buna-N					
	Protection	IP 68 – 10 bar/ IP 69K (NEMA 6 – 150 PSIG) with additional O-Ring			 in black color		
	Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)					
	Colors	grey (RAL 7035), black (RAL 9005), blue (RAL 5012) for the intrinsic safety "i"					
Advice: - With additional pre-assembled O-Ring upon request - Other sealing material e.g. Silicone upon request - Elongated thread version available							
AG	\varnothing mm	GL mm	H mm	\varnothing mm	Number grey	Number black	Number blue
PG 7	3–6,5	8	21	15	1.209.0700.14	1.209.0701.14	1.209.0702.14
PG 7	2–5	8	21	15	1.209.0700.15	1.209.0701.15	1.209.0702.15
PG 9	4–8	8	22	19	1.209.0900.14	1.209.0901.14	1.209.0902.14
PG 9	2–6	8	22	19	1.209.0900.15	1.209.0901.15	1.209.0902.15
PG 11	5–10	8	25	22	1.209.1100.14	1.209.1101.14	1.209.1102.14
PG 11	3–7	8	25	22	1.209.1100.15	1.209.1101.15	1.209.1102.15
PG 13,5	6–12	9	27	24	1.209.1300.14	1.209.1301.14	1.209.1302.14
PG 13,5	5–9	9	27	24	1.209.1300.15	1.209.1301.15	1.209.1302.15
PG 16	10–14	10	28	27	1.209.1600.14	1.209.1601.14	1.209.1602.14
PG 16	7–12	10	28	27	1.209.1600.15	1.209.1601.15	1.209.1602.15
PG 21	13–18	11	31	33	1.209.2100.14	1.209.2101.14	1.209.2102.14
PG 21	9–16	11	31	33	1.209.2100.15	1.209.2101.15	1.209.2102.15
PG 29	18–25	11	39	42	1.209.2900.14	1.209.2901.14	1.209.2902.14
PG 29	13–20	11	39	42	1.209.2900.15	1.209.2901.15	1.209.2902.15
PG 36	22–32	13	48	53	1.209.3600.14	1.209.3601.14	1.209.3602.14
PG 36	20–26	13	48	53	1.209.3600.15	1.209.3601.15	1.209.3602.15
PG 42	32–38	13	49	60	1.209.4200.14	1.209.4201.14	1.209.4202.14
PG 42	25–31	13	49	60	1.209.4200.15	1.209.4201.15	1.209.4202.15
PG 48	37–44	14	49	65	1.209.4800.14	1.209.4801.14	1.209.4802.14
PG 48	29–35	14	49	65	1.209.4800.15	1.209.4801.15	1.209.4802.15
AG	\varnothing mm	GL mm	H mm	\varnothing mm	Number grey	Number black	Number blue
M 12 x 1,5	3–6,5	8	21	15	1.209.1200.50	1.209.1201.50	1.209.1202.50
M 12 x 1,5	2–5	8	21	15	1.209.1200.51	1.209.1201.51	1.209.1202.51
M 16 x 1,5	4–8	8	22	19	1.209.1600.50	1.209.1601.50	1.209.1602.50
M 16 x 1,5	2–6	8	22	19	1.209.1600.51	1.209.1601.51	1.209.1602.51
M 16 x 1,5	5–10	8	25	22	1.219.1600.50	1.219.1601.50	1.219.1602.50
M 20 x 1,5	6–12	9	27	24	1.209.2000.50	1.209.2001.50	1.209.2002.50
M 20 x 1,5	5–9	9	27	24	1.209.2000.51	1.209.2001.51	1.209.2002.51
M 20 x 1,5	10–14	9	28	27	1.219.2000.50	1.219.2001.50	1.219.2002.50
M 25 x 1,5	13–18	11	31	30	1.219.2500.50	1.219.2501.50	1.219.2502.50
M 25 x 1,5	13–18	11	31	33	1.209.2500.50	1.209.2501.50	1.209.2502.50
M 25 x 1,5	9–16	11	31	33	1.209.2500.51	1.209.2501.51	1.209.2502.51
M 32 x 1,5	15–21	11	39	36	1.219.3200.50	1.219.3201.50	1.219.3202.50
M 32 x 1,5	18–25	11	39	42	1.209.3200.50	1.209.3201.50	1.209.3202.50
M 32 x 1,5	13–20	11	39	42	1.209.3200.51	1.209.3201.51	1.209.3202.51
M 40 x 1,5	19–27	13	47	46	1.219.4000.50	1.219.4001.50	1.219.4002.50
M 40 x 1,5	22–32	13	48	53	1.209.4000.50	1.209.4001.50	1.209.4002.50
M 40 x 1,5	20–26	13	48	53	1.209.4000.51	1.209.4001.51	1.209.4002.51
M 50 x 1,5	32–38	13	49	60	1.209.5000.50	1.209.5001.50	1.209.5002.50
M 50 x 1,5	25–31	13	49	60	1.209.5000.51	1.209.5001.51	1.209.5002.51
M 63 x 1,5	37–44	14	49	65/68	1.209.6300.50	1.209.6301.50	1.209.6302.50
M 63 x 1,5	29–35	14	49	65/68	1.209.6300.51	1.209.6301.51	1.209.6302.51

HSK - Standard Cable Glands

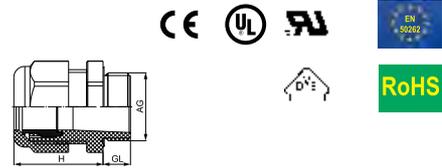
HSK-M / HSK-M-PVDF					PG	
	Material	Nickel plated brass			   	
	Clamping insert	Polyamide / PVDF				
	Seal	Buna-N / FKM				
	O-Ring	Buna-N / FKM				
	Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)				
	Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F) (PA) -35 °C – 150 °C (-31 °F – 302 °F) (PVDF)				
	Advice:	- Other sealing material e.g. Silicone upon request - Elongated thread version available				
AG	$\varnothing k$ mm	GL mm	H mm		Number HSK-M -40 °C – 100 °C -40 °F – 212 °F	Number HSK-M-PVDF -35 °C – 150 °C -31 °F – 302 °F
PG 7	3 – 6,5	5	19	14	1.609.0700.01	1.699.0700.01
PG 7	2 – 5	5	19	14	1.609.0700.15	1.699.0700.15
PG 9	4 – 8	6	21	17	1.609.0900.01	1.699.0900.01
PG 9	2 – 6	6	21	17	1.609.0900.15	1.699.0900.15
PG 11	5 – 10	6	22	20	1.609.1100.01	1.699.1100.01
PG 11	3 – 7	6	22	20	1.609.1100.15	1.699.1100.15
PG 13,5	6 – 12	6,5	24	22	1.609.1300.01	1.699.1300.01
PG 13,5	5 – 9	6,5	24	22	1.609.1300.15	1.699.1300.15
PG 16	10 – 14	6,5	23	24	1.609.1600.01	1.699.1600.01
PG 16	7 – 12	6,5	23	24	1.609.1600.15	1.699.1600.15
PG 21	13 – 18	7	24	30	1.609.2100.01	1.699.2100.01
PG 21	9 – 16	7	24	30	1.609.2100.15	1.699.2100.15
PG 29	18 – 25	8	29	40	1.609.2900.01	1.699.2900.01
PG 29	13 – 20	8	29	40	1.609.2900.15	1.699.2900.15
PG 36	22 – 32	8	35	50	1.609.3600.01	1.699.3600.01
PG 36	20 – 26	8	35	50	1.609.3600.15	1.699.3600.15
PG 42	32 – 38	9	37	57	1.609.4200.01	1.699.4200.01
PG 42	25 – 31	9	37	57	1.609.4200.15	1.699.4200.15
PG 48	37 – 44	10	38	64	1.609.4800.01	1.699.4800.01
PG 48	29 – 35	10	38	64	1.609.4800.15	1.699.4800.15
AG	$\varnothing k$ mm	GL mm	H mm		Number HSK-M -40 °C – 100 °C -40 °F – 212 °F	Number HSK-M-PVDF -35 °C – 150 °C -31 °F – 302 °F
M 12 x 1,5	3 – 6,5	6,5	19	14	1.609.1200.50	1.699.1200.50
M 12 x 1,5	2 – 5	6,5	19	14	1.609.1200.51	1.699.1200.51
M 16 x 1,5	4 – 8	6	21	17 / 19	1.609.1600.50	1.699.1600.50
M 16 x 1,5	2 – 6	6	21	17 / 19	1.609.1600.51	1.699.1600.51
M 16 x 1,5	5 – 10	6	22	20	1.609.1611.50	1.699.1611.50
M 20 x 1,5	6 – 12	6	23	22	1.609.2000.50	1.699.2000.50
M 20 x 1,5	5 – 9	6	23	22	1.609.2000.51	1.699.2000.51
M 20 x 1,5	10 – 14	6	24	24	1.609.2016.50	1.699.2016.50
M 25 x 1,5	13 – 18	7	26	30	1.609.2500.50	1.699.2500.50
M 25 x 1,5	9 – 16	7	26	30	1.609.2500.51	1.699.2500.51
M 32 x 1,5	18 – 25	8	31	40	1.609.3200.50	1.699.3200.50
M 32 x 1,5	13 – 20	8	31	40	1.609.3200.51	1.699.3200.51
M 32 x 1,5	15 – 21	8	33	36	1.609.3200.52	
M 40 x 1,5	22 – 32	8	37	50	1.609.4000.50	1.699.4000.50
M 40 x 1,5	20 – 26	8	37	50	1.609.4000.51	1.699.4000.51
M 40 x 1,5	19 – 27	8	33	46	1.609.4000.52	
M 50 x 1,5	32 – 38	9	37	57	1.609.5000.50	
M 50 x 1,5	25 – 31	9	37	57	1.609.5000.51	
M 63 x 1,5	37 – 44	10	38	64 / 68	1.609.6300.50	
M 63 x 1,5	29 – 35	10	38	64 / 68	1.609.6300.51	

METRICA Cable Glands

METRICA-P



Material	Polyamide
Seal	Buna-N
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) with additional O-Ring
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)
Colors	grey (RAL 7035), black (RAL 9005), blue (RAL 5012) for the intrinsic safety "i"



Advice:
 - With additional pre-assembled O-Ring upon request
 - Other sealing material e.g. Silicone upon request
 - Elongated version available

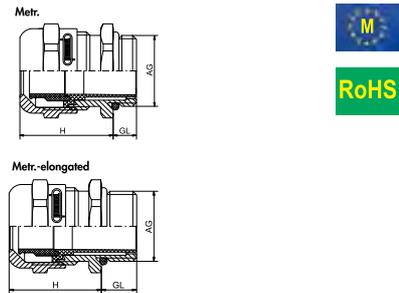
AG	\varnothing mm	GL mm	H mm	\varnothing mm	d mm	Number grey	Number black	Number blue
M 12 x 1,5	4 – 7	8	22	15		1.218.1200.50	1.218.1201.50	1.218.1202.50
M 12 x 1,5	2 – 5	8	22	15		1.218.1200.51	1.218.1201.51	1.218.1202.51
M 16 x 1,5	6 – 10	8	26	19		1.218.1600.50	1.218.1601.50	1.218.1602.50
M 16 x 1,5	3 – 7	8	26	19		1.218.1600.51	1.218.1601.51	1.218.1602.51
M 20 x 1,5	8 – 13	9	29	24		1.218.2000.50	1.218.2001.50	1.218.2002.50
M 20 x 1,5	7 – 10	9	29	24		1.218.2000.51	1.218.2001.51	1.218.2002.51
M 25 x 1,5	11 – 17	10	33	30		1.218.2500.50	1.218.2501.50	1.218.2502.50
M 25 x 1,5	8 – 13	10	33	30		1.218.2500.51	1.218.2501.51	1.218.2502.51
M 32 x 1,5	11 – 21	10	41	36		1.218.3200.50	1.218.3201.50	1.218.3202.50
M 32 x 1,5	10 – 15	10	41	36		1.218.3200.51	1.218.3201.51	1.218.3202.51
M 40 x 1,5	19 – 28	12	46	46		1.218.4000.50	1.218.4001.50	1.218.4002.50
M 40 x 1,5	15 – 23	12	46	46		1.218.4000.51	1.218.4001.51	1.218.4002.51
M 50 x 1,5	27 – 35	12	52	55		1.218.5000.50	1.218.5001.50	1.218.5002.50
M 50 x 1,5	22 – 29	12	52	55		1.218.5000.51	1.218.5001.51	1.218.5002.51
M 63 x 1,5	36 – 48	12	57	68		1.218.6300.50	1.218.6301.50	1.218.6302.50
M 63 x 1,5	28 – 39	12	57	68		1.218.6300.51	1.218.6301.51	1.218.6302.51

METRICA-M

Metr., Metr.-elongated



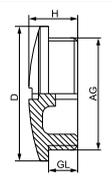
Material	Nickel plated brass
Clamping insert	Polyamide
Seal	Buna-N
O-Ring	Buna-N
Protection	IP 68 – 10 bar (NEMA 6 – 150 PSIG)
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)

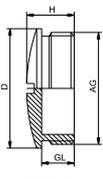
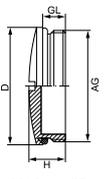


Advice:
 - Other sealing material e.g. Silicone upon request

AG	mm	GL mm	H mm	\varnothing mm	Number	GL mm	Number elongated
M 12 x 1,5	4 – 7	6	20	14	1.618.1200.50	10	1.618.1200.30
M 12 x 1,5	2 – 5	6	20	14	1.618.1200.51	10	1.618.1200.31
M 16 x 1,5	6 – 10	6	25	19	1.618.1600.50	10	1.618.1600.30
M 16 x 1,5	3 – 7	6	25	19	1.618.1600.51	10	1.618.1600.31
M 20 x 1,5	8 – 13	6,5	26	24	1.618.2000.50	10	1.618.2000.30
M 20 x 1,5	7 – 10	6,5	26	24	1.618.2000.51	10	1.618.2000.31
M 25 x 1,5	11 – 17	7	29	29	1.618.2500.50	12	1.618.2500.30
M 25 x 1,5	8 – 13	7	29	29	1.618.2500.51	12	1.618.2500.31
M 32 x 1,5	11 – 21	8	37	34	1.618.3200.50	12	1.618.3200.30
M 32 x 1,5	10 – 15	8	37	34	1.618.3200.51	12	1.618.3200.31
M 40 x 1,5	19 – 28	8	40,5	44	1.618.4000.50	15	1.618.4000.30
M 40 x 1,5	15 – 23	8	40,5	44	1.618.4000.51	15	1.618.4000.31
M 50 x 1,5	27 – 35	9	49,5	55	1.618.5000.50	15	1.618.5000.30
M 50 x 1,5	22 – 29	9	49,5	55	1.618.5000.51	15	1.618.5000.31
M 63 x 1,5	34 – 48	10	49	68	1.618.6300.50	15	1.618.6300.30
M 63 x 1,5	28 – 39	10	49	68	1.618.6300.51	15	1.618.6300.31

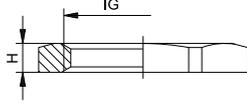
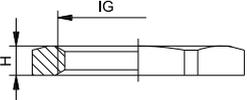
Accessories

V-N-FS						Metr.	
				Material		Polyamide	
				Protection		IP 54	
				Operating Temperature		-40 °C – 100 °C (-40 °F – 212 °F)	
				Colors		grey (RAL 7035), black (RAL 9005)	
						 	
Advice: - Other colors upon request							
AG	GL mm	H mm	D mm	Number PA grey	Number PA black		
M 12 x 1,5	6	10	15	1.251.1200.50	1.251.1201.50		
M 16 x 1,5	7	11,5	20	1.251.1600.50	1.251.1601.50		
M 20 x 1,5	6	9,5	25	1.251.2000.50	1.251.2001.50		
M 25 x 1,5	11	15,5	30	1.251.2500.50	1.251.2501.50		
M 32 x 1,5	11	16	38	1.251.3200.50	1.251.3201.50		
M 40 x 1,5	13	18	46	1.251.4000.50	1.251.4001.50		
M 50 x 1,5	13	18,5	56	1.251.5000.50	1.251.5001.50		
M 63 x 1,5	15	19	69	1.251.6300.50	1.251.6301.50		
PG 7	6	8	15	1.251.0700.11	1.251.0701.11		
PG 9	6	9	19	1.251.0900.11	1.251.0901.11		
PG 11	6	9	22	1.251.1100.11	1.251.1101.11		
PG 13,5	6	9,5	25	1.251.1300.11	1.251.1301.11		
PG 16	6	9,5	27	1.251.1600.11	1.251.1601.11		
PG 21	8	11	33	1.251.2100.11	1.251.2101.11		
PG 29	8	12	44	1.251.2900.11	1.251.2901.11		
PG 36	10	15	55	1.251.3600.11	1.251.3601.11		
PG 42	10	16	62	1.251.4200.11	1.251.4201.11		
PG 48	12	16	69	1.251.4800.11	1.251.4801.11		

V-N-Ms & V-N-Ms-SD						Metr., PG			
				Material		Nickel plated brass			
				Protection		IP 68			
						 			
									
				V-N-Ms		V-N-Ms-SD			
AG	GL mm	H mm	D mm	Number	AG	GL mm	H mm	D mm	Number
M 12 x 1,5	5	7,5	14	1.052.1200.50	PG 7	5	8	14	1.052.0700.01
M 16 x 1,5	5	9,0	18	1.052.1600.50	PG 9	6	9	17	1.052.0900.01
M 20 x 1,5	6,5	9,5	22	1.052.2000.50	PG 11	6	9	20	1.052.1100.01
M 25 x 1,5	7	11,0	28	1.052.2500.50	PG 13,5	6,5	9,5	22	1.052.1300.01
M 32 x 1,5	8	12,0	35	1.052.3200.50	PG 16	6,5	9,5	24	1.052.1600.01
M 40 x 1,5	8,5	13,0	44	1.052.4000.50	PG 21	7	11	30	1.052.2100.01
M 50 x 1,5	9	15,0	54	1.052.5000.50	PG 29	8	12	39	1.052.2900.01
M 63 x 1,5	10	16,0	67	1.052.6300.50	PG 36	9	15	50	1.052.3600.01
					PG 42	10	16	57	1.052.4200.01
					PG 48	10	16	64	1.052.4800.01

V-N-Ms					V-N-Ms-SD				
AG	GL mm	H mm	D mm	Number	AG	GL mm	H mm	D mm	Number
M 12 x 1,5	6,5	9,5	14	1.052.1201.50	PG 7	4,8	8	14	1.052.0701.01
M 16 x 1,5	6	9	20	1.052.1601.50	PG 9	5,5	9	17	1.052.0901.01
M 20 x 1,5	6,5	9,5	24	1.052.2001.50	PG 11	5,5	9	20	1.052.1101.01
M 25 x 1,5	7	11	28	1.052.2501.50	PG 13,5	6	9,5	22	1.052.1301.01
M 32 x 1,5	8	12,5	35	1.052.3201.50	PG 16	6	9,5	24	1.052.1601.01
M 40 x 1,5	8	12	45	1.052.4001.50	PG 21	6,5	11	30	1.052.2101.01
M 50 x 1,5	9	15	55	1.052.5001.50	PG 29	7,5	12	39	1.052.2901.01
M 63 x 1,5	10	16	68	1.052.6301.50	PG 36	9	15	50	1.052.3601.01
					PG 42	10	16	57	1.052.4201.01
					PG 48	10	16	64	1.052.4801.01

Accessories

GM-FS				Metr., PG, NPT				
				Material		Polyamide V0 according to UL 94		
				Operating Temperature		-40 °C – 100 °C (-40 °F – 212 °F)		
				Colors		grey (RAL 7035), black (RAL 9005)		
				Advice:		- Other colors upon request		
								
IG	H mm	 mm	Number PA V0 grey	Number PA V0 black	IG	H mm	 mm	Number
M 12 x 1,5	5	17	1.262.1200.50	1.262.1201.50	PG 7	5	19	1.262.0700.11
M 16 x 1,5	5	22	1.262.1600.50	1.262.1601.50	PG 9	5	22	1.262.0900.11
M 20 x 1,5	6	27	1.262.2000.50	1.262.2001.50	PG 11	5	24	1.262.1100.11
M 25 x 1,5	6,5	32	1.262.2500.50	1.262.2501.50	PG 13,5	6	27	1.262.1300.11
M 32 x 1,5	7	41	1.262.3200.50	1.262.3201.50	PG 16	6	30	1.262.1600.11
M 40 x 1,5	7	50	1.262.4000.50	1.262.4001.50	PG 21	7	36	1.262.2100.11
M 50 x 1,5	8	60	1.262.5000.50	1.262.5001.50	PG 29	7	46	1.262.2900.11
M 63 x 1,5	8	75	1.262.6300.50	1.262.6301.50	PG 36	8	60	1.262.3600.11
PG 7	5	19	1.262.0700.11	1.262.0701.11	PG 42	8	65	1.262.4200.11
PG 9	5	22	1.262.0900.11	1.262.0901.11	PG 48	8	70	1.262.4800.11
PG 11	5	24	1.262.1100.11	1.262.1101.11				
PG 13,5	6	27	1.262.1300.11	1.262.1301.11				
PG 16	6	30	1.262.1600.11	1.262.1601.11				
PG 21	7	36	1.262.2100.11	1.262.2101.11				
PG 29	7	46	1.262.2900.11	1.262.2901.11				
PG 36	8	60	1.262.3600.11	1.262.3601.11				
PG 42	8	65	1.262.4200.11	1.262.4201.11				
PG 48	8	70	1.262.4800.11	1.262.4801.11				
GM-Ms				Metr., PG, G				
				Material		Nickel plated brass		
								
IG	H mm	 mm	Number	IG	H mm	 mm	Number	
M 12 x 1,5	2,8	15	1.161.1200.50	PG 7	2,8	15	1.161.0700.01	
M 16 x 1,5	2,8	19	1.161.1600.50	PG 9	2,8	18	1.161.0900.01	
M 20 x 1,5	3,0	23	1.161.2000.50	PG 11	3,0	21	1.161.1100.01	
M 25 x 1,5	3,5	29	1.161.2500.50	PG 13,5	3,0	23	1.161.1300.01	
M 32 x 1,5	4,0	36	1.161.3200.50	PG16	3,0	26	1.161.1600.01	
M 40 x 1,5	4,5	45	1.161.4000.50	PG 21	3,5	32	1.161.2100.01	
M 50 x 1,5	5,5	55	1.161.5000.50	PG 29	4,0	41	1.161.2900.01	
M 63 x 1,5	6,0	70	1.161.6300.50	PG 36	5,0	51	1.161.3600.01	
M 75 x 1,5	8,0	85	1.161.7500.50	PG 42	5,0	60	1.161.4200.01	
M 80 x 2	8,0	90	1.161.8000.50	PG 48	5,5	64	1.161.4800.01	
M 90 x 2	8,0	100	1.161.9000.50	G 2 1/2"	7	80	1.106.5200.99	
M 100 x 2	11	115	1.161.1000.50	G 3"	8	95	1.106.3000.99	
M 110 x 2	11	125	1.161.1100.50	G 4"	11	125	1.106.4000.99	

Single and Double Compression Glands

Single Compression Cable Gland



Material Brass (IS 319) - Standard

Protection Class IP-60

Finish Nickel Plated - Standard (Natural/Tin / Cadmium/ Chrome also Available)

Application Generally use for Outdoor / Indoor for Armoured & Unarmoured Cable

Threads BSC Standard (NPT /ET/BSP / PG / Matric also available)

Sealing Ring Neoprene Rubber / Natural Rubber

Ref. Standard Weatherproof - IS 12943-1990



Part Number	Core (mm) X Square	Size
HCSSC038	2x1.5	3/8" inch ; 10 mm
HCSSC012	3x1.5	1/2" inch ; 12 mm
HCSSC058	4x1.5, 3x2.5	5/8" inch ; 16 mm
HCSSC034	5-6-7x1.5, 4x2.5, 4x4	3/4" inch ; 19 mm
HCSSC078	6x4, 4x6, 7-10 -12x2.5	7/8" inch ; 22 mm
HCSSC100	4x10	1" inch ; 25 mm
HCSSC118	3-4x16	1.1/8" inch ; 28 mm
HCSSC114	3.1/2 - 4x 25, 3.1/2 -4x35	1.1/4" inch ; 32 mm
HCSSC138	3.1/2 - 4 x50	1.3/8" inch ; 35 mm
HCSSC112	3 -3.1/2 x70	1.1/2" inch ; 38 mm

Part Number	Core (mm) X Square	Size
HCSSC134	3.1/2 x95, 3.1/2 x120	1.3/4" inch ; 45 mm
HCSSC200	3.1/2 x150	2" inch ; 50 mm
HCSSC214	3.1/2 x185	2.1/4" inch ; 57 mm
HCSSC212	3 -3.1/2 x240	2.1/2" inch ; 63 mm
HCSSC234	3- 3.1/2 x 300	2.3/4" inch ; 70 mm
HCSSC300	3 x400	3" inch ; 75 mm
HCSSC314	3.1/2 x400	3.1/4" inch ; 82 mm
HCSSC312	3.1/2 x500	3.1/2" inch ; 88 mm
HCSSC400		4" inch ; 100 mm

Double Compression - Weather Proof Cable Gland



Material Brass (IS 319) - Standard

Protection Class IP-65 as per 13346-2004

Finish Nickel Plated - Standard (Natural/Tin / Cadmium/ Chrome also Available)

Application Weatherproof
- Generally use for outdoor / Indoor for armoured & Unarmoured Cable.

Threads BSC Standard (NPT /ET/BSP / PG / Matric also available)

Sealing Ring Neoprene Rubber / Natural Rubber

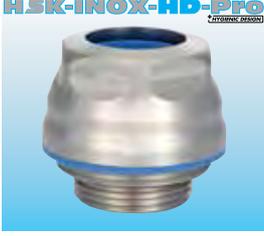
Ref. Standard Weatherproof - IS: 12063-1987



Part Number	Core (mm) X Square	Size
HCSDC038	2x1.5	3/8" inch ; 10 mm
HCSDC012	3x1.5	1/2" inch ; 12 mm
HCSDC058	4x1.5, 3x2.5	5/8" inch ; 16 mm
HCSDC034	5-6-7x1.5, 4x2.5, 4x4	3/4" inch ; 19 mm
HCSDC078	6x4, 4x6, 7-10 -12x2.5	7/8" inch ; 22 mm
HCSDC100	4x10	1" inch ; 25 mm
HCSDC118	3-4x16	1.1/8" inch ; 28 mm
HCSDC114	3.1/2 - 4x 25, 3.1/2 -4x35	1.1/4" inch ; 32 mm
HCSDC138	3.1/2 - 4 x50	1.3/8" inch ; 35 mm
HCSDC112	3 -3.1/2 x70	1.1/2" inch ; 38 mm

Part Number	Core (mm) X Square	Size
HCSDC134	3.1/2 x95, 3.1/2 x120	1.3/4" inch ; 45 mm
HCSDC200	3.1/2 x150	2" inch ; 50 mm
HCSDC214	3.1/2 x185	2.1/4" inch ; 57 mm
HCSDC212	3 -3.1/2 x240	2.1/2" inch ; 63 mm
HCSDC234	3- 3.1/2 x 300	2.3/4" inch ; 70 mm
HCSDC300	3 x400	3" inch ; 75 mm
HCSDC314	3.1/2 x400	3.1/4" inch ; 82 mm
HCSDC312	3.1/2 x500	3.1/2" inch ; 88 mm
HCSDC400		4" inch ; 100 mm

HSK Cable Glands for Special Applications

HSK-INOX-HD Pro		Metr.				
Material HD-enclosure	1.4404 / AISI 316 L					
Sealing HD-enclosure	VMQ (Silicone), blue (similar RAL 5017)					
Protection	IP 66, IP 68 to 10 bar, IP 69K					
Operating Temperature	-40 °C to +120 °C (-40 °F to +248 °F)					
Advice:						
<ul style="list-style-type: none"> - EMC connection integrated - VDMA Riboflavin cleaning test passed - EHEDG O1 cleaning test passed - EHEDG certificate EL class I AUX approved 						
AG	\varnothing mm	GL mm	H mm	D mm	\varnothing mm	Number
M 12 x 1,5	5 – 6,5	6	19	21	14	1.740.1203.50
M 16 x 1,5	7,5 – 10	6	20	27	19/21	1.740.1603.50
M 16 x 1,5	6 – 7,5	6	20	27	19/21	1.740.1603.51
M 20 x 1,5	11 – 13,5	6	22,5	33	24/27	1.740.2003.50
M 20 x 1,5	9 – 12	6	22,5	33	24/27	1.740.2003.51
M 25 x 1,5	15 – 18	7	23,5	38	30	1.740.2503.50
M 25 x 1,5	14 – 16	7	23,5	38	30	1.740.2503.52
M 32 x 1,5	21 – 25	8	26,5	45	36	1.740.3203.50
M 32 x 1,5	18 – 21	8	26,5	45	36	1.740.3203.51

HSK-INOX-HD		Metr.				
Material HD-enclosure	1.4404 / AISI 316 L					
Sealing HD-enclosure	VMQ (Silicone), blue (similar RAL 5017)					
Protection	IP 68					
Operating Temperature	-40 °C to +120 °C (-40 °F to +248 °F)					
Advice:						
<ul style="list-style-type: none"> - EMC integrated - elongated threads on request - other sizes upon request - temperature range -31 °F to +302 °F (PVDF Version) on request - ideal for foam-cleaning 						
AG	\varnothing mm	GL mm	H mm	D mm	\varnothing mm	Number
M 12 x 1,5	3,5 – 6,5	6	30	21	14	1.740.1202.50
M 16 x 1,5	5 – 10	6	34	27	18/20	1.740.1602.50
M 20 x 1,5	10 – 14	6	34,5	33	24	1.740.2002.50
M 25 x 1,5	13 – 18	7	41,5	38	27/30	1.740.2502.50

Industrial Cable Glands for Hazardous Areas

EXIOS



ATEK IECE_x ATEX IECE_x ATEX IECE_x ATEX

HSK Ex-e Standard cable glands



ATEK IECE_x ATEX IECE_x ATEX IECE_x ATEX

HSK-EMC-Ex e safety cable glands



ATEK IECE_x ATEX IECE_x ATEX IECE_x ATEX

HSK Ex-e cable glands for special applications



ATEK IECE_x ATEX IECE_x ATEX IECE_x ATEX

HSK-Ex d safety cable glands



ATEK IECE_x ATEX IECE_x ATEX IECE_x ATEX

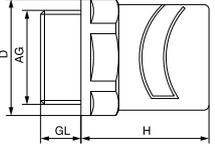
Ex accessories



ATEK IECE_x ATEX IECE_x ATEX IECE_x ATEX

DN Conduits

SM-WS-PA							DN
		Material		Polyamide			
		Operating Temperature		-40 °C 110 °C (-40 °F 230 °F)			
		Properties		Flexible and excellent, Flame retardant Medium wall thickness, Gloss surface. Anti friction black conduit are UV Resistant. Free of halogen, Phosphor and Cadmium.			
		Applications		Machine Tool, Machine Building, Electric Control System, etc.			
		Colors		grey (RAL 7031), black (RAL 9005)			
							
Size DN	Typ	d mm	D mm	PU	Number grey	Number black	
6.5	PA	6.5	10	100	1.510.0700.14	1.510.0701.14	
10	PA	10	13	100	1.510.0900.14	1.510.0901.14	
12	PA	12	15.8	100	1.510.1100.14	1.510.1101.14	
14	PA	14	18.5	100	1.510.1300.14	1.510.1301.14	
17	PA	17	21.2	50	1.510.1600.14	1.510.1601.14	
23	PA	23	28.5	50	1.510.2100.14	1.510.2101.14	
29	PA	29	34.5	25	1.510.2900.14	1.510.2901.14	
37	PA	36	42	25	1.510.3600.14	1.510.3601.14	
50	PA	48	54.5	25	1.510.4800.14	1.510.4801.14	

SM-N							Metr., PG, NPT
		Material		Polyamide			
		Protection		IP 54, with O-Ring with fixed conduit mounting IP 65			
		Operating Temperature		-20 °C 80 °C (-4 °F 176 °F)			
		Colors		grey (RAL 7031), black (RAL 9005)			
							
							
AG	GL mm	H mm	DN mm	Number grey	Number black		
PG 9	8	25	17	10	1.511.0900.14	1.511.0901.14	
PG 11	8	25	21	12	1.511.1100.14	1.511.1101.14	
PG 13,5	9	28	24	14	1.511.1300.14	1.511.1301.14	
PG 16	10	29	27	17	1.511.1600.14	1.511.1601.14	
PG 21	11	32	35	23	1.511.2100.14	1.511.2101.14	
PG 29	11	35	42	2	1.511.2900.14	1.511.2901.14	
PG 36	13	41	50	37	1.511.3600.14	1.511.3601.14	
PG 48	14	46	64	50	1.511.4800.14	1.511.4801.14	
AG	GL mm	H mm	DN mm	Number grey	Number black		
M 16 x 1,5	8	23	17	10	1.511.1600.50	1.511.1601.50	
M 20 x 1,5	9	28	24	14	1.511.2000.50	1.511.2001.50	
M 25 x 1,5	11	32	35	23	1.511.2500.50	1.511.2501.50	
M 32 x 1,5	11	35	42	29	1.511.3200.50	1.511.3201.50	
NPT 3/8"	15	23	17	10	1.511.3800.70	1.511.3801.70	
NPT 1/2"	13	29	27	17	1.511.1216.70	1.511.1217.70	
NPT 3/4"	13	32	35	23	1.511.3400.70	1.511.3401.70	
NPT 1"	15	35	42	42	1.511.1000.70	1.511.1001.70	

DN Slit Conduits

SM-WS-PA



Material Polyamide - 6

Operating Temp. Min -40 °C (-40 °F), Max 110 °C (230 °F), Short term 150 °C (302 °F)

Properties Flexible and excellent, Flame retardant
Medium wall thickness, Gloss surface.
Anti friction black conduit are UV Resistant.
Free of halogen, Phosphor and Cadmium.

Applications Machine Tool, Machine Building,
Electric Control System, etc.

Colors Black (RAL 9005)



Size DN	Typ	d mm	D mm	PU	Number black
6.5	PA	6.5	10	100	SC 1.510.0701.14
10	PA	10	13	100	SC 1.510.0901.14
12	PA	12	15.8	100	SC 1.510.1101.14
14	PA	14	18.5	100	SC 1.510.1301.14
17	PA	17	21.2	50	SC 1.510.1601.14
23	PA	23	28.5	50	SC 1.510.2101.14
29	PA	29	34.5	25	SC 1.510.2901.14
37	PA	36	42	25	SC 1.510.3601.14
50	PA	48	54.5	25	SC 1.510.4801.14

QUICK CONNECTOR

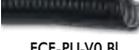
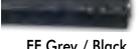
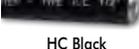


Material PA 6

Operating Temperature Min -40 °C, Max 105 °C, Short term 150 °C

Size DN	Typ	Size	PU	Number
6.5	PA	PG 7	100	SCAD 10.0
10	PA	PG 9	100	SCAD 13.0
12	PA	PG 11	100	SCAD 15.8
14	PA	PG 13.5	100	SCAD 18.5
17	PA	PG 16	50	SCAD 21.2
23	PA	PG 21	25	SCAD 28.5
29	PA	PG 29	25	SCAD 34.5
37	PA	PG 36	10	SCAD 42.5
50	PA	PG 48	5	SCAD 54.5

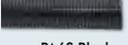
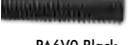
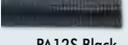
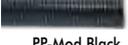
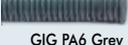
Metal Conduit

Metal Conduit												
Metal Conduit Type	Material Innercover	Material Cover	Temp (°C)		Resistance (NEN-EN-IEC 61386)			Flexibility	Resistance		Approvals	Protection Class
			Min.	Max.	Compr.	Impact	Tensile		UV	Oil		
 FCEN / SL	Galvanised Steel	-	-55	+300	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 40
 SLI / SLI-316	Stainless Steel	-	-100	+600	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 40
 SLI-CAP	Stainless Steel AISI-304	-	-100	+600	3 (750N)	3 (2J)	3 (500N)	++++	++++	++++		IP 40
 SLB	Galvanised Steel with Stainless Steel Braid	-	-55	+300	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 40
 UIG	Galvanised Steel	-	-55	+300	5 (4000N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 40
 UI	Stainless Steel AISI-304	-	-100	+600	5 (4000N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 40
 UI-CAP	Stainless Steel AISI-304	-	-100	+600	5 (4000N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 40
 RWA	Aluminium	-	-45	+260	4 (1250N)	4 (6J)	3 (500N)	++	++++	++++	  	IP 40
 Anaflex	Stainless Steel AISI-316L	-	-70	+250	3 (750N)	3 (2J)	4 (1000N)	++++	++++	++++	 	IP 69K
 FCD Gr. / Bl.	Galvanised Steel	PVC - RoHS	-20	+80	3 (750N)	3 (2J)	3 (500N)	+++	++	++		IP 67
 FCE Black	Galvanised Steel	PVC - RoHS	-20	+80	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++		IP 67
 FCE-LFH Black	Galvanised Steel	Polyolefin Halogen - free RoHS	-25	+80	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++	  	IP 67
 FCE-PU-V0 Bl.	Galvanised Steel	Polyolefin Halogen - free RoHS	-50	+105	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++++	 	IP 67
 EF-M Gr./Bl.	Galvanised Steel	PVC - RoHS	-20	+60	3 (750N)	4 (6J)	4 (1000N)	++	+++	+++		IP 67
 EF Grey / Black	Galvanised Steel	PVC - RoHS	-25	+70	4 (1250N)	4 (6J)	4 (1000N)	+++	+++	+++		IP 67
 OR Black/Blue	Galvanised Steel	PVC - RoHS	-15	+100	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 67
 HC Black	Galvanised Steel	PVC - RoHS	-45	+105	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 67

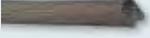
Metal Conduit

Metal Conduit												
Metal Conduit Type	Material Innercover	Material Cover	Temp (0C)		Resistance (NEN-EN-IEC 61386)			Flexibility	Resistance		Approvals	Protection Class
			Min.	Max.	Compr.	Impact	Tensile		UV	Oil		
HCX Black	Galvanised Steel	TPE- RoHS	-55	+145	4 (1250N)	4 (6J)	4 (1000N)	++++	+++	++		IP 67
HFX Black/Blue	Galvanised Steel	TPU Halogen free RoHS	-55	+105	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 67
HFX-V0 Black	Galvanised Steel	TPU Halogen free RoHS	-50	+105	3 (750N)	4 (6J)	3 (500N)	++++	++++	++++		IP 67
ZHLS Black	Galvanised Steel	Polyolefin Halogen- free RoHS	-25	+80	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++		IP 67
HTDL Black	Galvanised Steel	PVC - RoHS	-45	+105	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 67
HTUA Grey	Galvanised Steel	PVC - RoHS	-45	+80	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 67
ZHUA Black	Galvanised Steel	Polyurethane Halogen free RoHS	-45	+80	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 67
HCI Bl./Blue	Stainless Steel AISI-304	PVC - RoHS	-45	+105	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 67
HFI Black	Stainless Steel AISI-304	Polyurethane Halogen free RoHS	-55	+105	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 67
HCXI Black	Stainless Steel AISI-304	TPE - RoHS	-55	+145	4 (1250N)	4 (6J)	4 (1000N)	++++	+++	++		IP 67
HCI 316 Black	Stainless Steel AISI-316	PVC - RoHS	-45	+105	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 67
EF-L Grey	Aluminium	PVC - RoHS	-20	+60	3 (750N)	3 (2J)	3 (500N)	+++	++++	+++		IP 67
Shieldtite Grey	Bronze	PVC - RoHS	-45	+105	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	++++		IP 67
Shieldtite ZI	Bronze	Polyurethane Halogen free RoHS	-45	+105	4 (1250N)	4 (6J)	4 (1000N)	++++	++++	++++		IP 67
FG White	Galvanised Steel	PVC - RoHS	-20	+60	4 (1250N)	4 (6J)	4 (1000N)	+++	++	+++		IP 67
FG Blue	Galvanised Steel	PVC - RoHS	-20	+70	4 (1250N)	4 (6J)	4 (1000N)	+++	++	+++		IP 67
AS Black	Galvanised Steel	PE - RoHS	-20	+70	4 (1250N)	4 (6J)	4 (1000N)	+++	++++	+++		IP 67

Plastic Conduit

Plastic Conduit												
Metal Conduit	Material	Material	Temp (°C)		Resistance (NEN-EN-IEC 61386)			Flexibility	Resistance		Approvals	Protection
Type	Innercover	Cover	Min.	Max.	Compr.	Impact	Tensile		UV	Oil		Class
 CNP Orange	PVC, Nylon reinforced - RoHS	-	-20	+60	1 (125N)	3 (2J)	4 (1000N)	++	++++	++++	UL SP PG GOST-R	IP 67
 NMUA Grey	PVC, PVC reinforced - RoHS	-	-20	+80	2 (320N)	3 (2J)	4 (1000N)	+++	++++	+++	UL SP PG GOST-R	IP 67
 NMSF Grey	PVC, PVC reinforced - RoHS	-	-20	+80	1 (125N)	3 (2J)	4 (1000N)	+++	+++	+++	PG GOST-R	IP 67
 NMFG Blue	PVC, PVC reinforced - RoHS	-	-35	+50	1 (125N)	3 (2J)	4 (1000N)	++++	+++	+++	FDA PG GOST-R	IP 67
 MPC Grey	Metal Spiral	PVC - RoHS	-20	+70	3 (750N)	3 (2J)	1 (100N)	++++	+++	++		IP 67
 MPU Blue	Metal Spiral	TPU Halogen-free RoHS	-40	+90	3 (750N)	3 (2J)	1 (100N)	++++	+++	++++		IP 67
 PA6L Black	Polyamide PA6 Halogen-free	-	-40	+120	1 (125N)	1 (0.5J)	1 (100N)	++++	++++	++++	UL-94 HB	IP 67
 PA6S Black	Polyamide PA6 Halogen-free	-	-40	+120	2 (320N)	2 (1J)	2 (250N)	+++	++++	++++	UL-94 HB RU	IP 67
 PA6S Grey	Polyamide PA6 Halogen-free	-	-40	+120	2 (320N)	2 (1J)	2 (250N)	++++	+++	++++	UL-94 HB RU	IP 67
 PA6SU Black	Polyamide PA6 Halogen-free	-	-40	+120	2 (320N)	2 (1J)	2 (250N)	++++	++++	++++	UL-94 HB RU	IP 67
 PA6V0 Black	Polyamide PA6 Halogen-free	-	-40	+120	3 (750N)	3 (2J)	3 (500N)	++++	++++	++++	UL-94 V0 EM 45545 RU	IP 67
 PA12S Black	Polyamide PA12 Halogen-free	-	-40	+120	2 (320N)	2 (1J)	2 (250N)	++++	++++	++++	UL-94 HB	IP 67
 PP-Mod Black	Polypropylene PP-Mod	-	-40	+135	1 (125N)	1 (0.5J)	1 (100N)	++++	++++	++++	UL-94 V2	IP 67
 PA6S DUO	Polyamide PA6 Halogen-free	-	-40	+120	2 (320N)	2 (1J)	2 (250N)	++++	++++	++++	UL-94 HB	IP 67
 GIG PA6 Black	Polyamide PA6 Halogen-free	-	-40	+120	2 (320N)	2 (1J)	2 (250N)	+++	++++	++++	UL-94 HB	IP 67
 GIG PA6 Grey	Polyamide PA6 Halogen-free	-	-40	+120	2 (320N)	2 (1J)	2 (250N)	+++	++++	++++	UL-94 HB	IP 67
 GIG PP Black	Polypropylene PP-Mod	-	-40	+135	1 (125N)	1 (0.5J)	1 (100N)	++++	++++	++++	UL-94 V2	IP 67

Heat Protection Products

Heat Protection Products									
Metal Conduit Type	Material Innercover	Material Cover	Temp (0C)		Temperature short term		Resistance		Approvals
			Min.	Max.	20 min.	15-30 sec.	Oil	Splash	
 Hiprojacket Aero	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1640° C	++++	++++	
 Hiprojacket Industrial	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1640° C	++++	++++	
 Hiprojacket Light	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1200° C	++++	++	
 Hiprotape	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1640° C	++++	++++	
 Hiprositape	-	Silicone Halogen-free RoHS	-55	+260	-	-	++++	++	
 Hiproblanket Wrap H	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1640° C	++++	+++	
 Hiproblanket Wrap Light	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1200° C	++++	++	
 Thermojacket	Glass fibre Satu- rated	-	-55	+538	-	-	-	-	
 Hiproblanket Light	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1200° C	++++	++	
 Hiproblanket	Glass fibre	Silicone Halogen-free RoHS	-55	+260	+800° C	+1640° C	++++	+++	
 Silicajacket	Silica fibre	-	-55	+260	-	-	-	-	

Customization of Enclosures at our Indian Facility

<p>Industrial Plug- Socket and MCBS</p>		<p>Isolator Application for Food Industry</p>	
<p>Polycarbonate box for Welding Application</p>		<p>IP67 Protected Control Box</p>	
<p>Isolator (Switch Disconnecter)</p>		<p>RJ45 (or other connectors)</p>	
<p>Single Push Button Station</p>		<p>Extension Box</p>	
<p>Temperature Controller</p>		<p>Extension Box Application</p>	
<p>HMI Applications</p>		<p>Conduit- Connectors</p>	
<p>HMI Applications (with Hinges)</p>		<p>Temperature Controller</p>	

Circular Connectors

**Connectors
M12**



**Moulded Cordsets
M12**



**Panel Connectors
M12**



**Accessories
M12**



**Connectors
M16**



**Power Connectors
M23**



**M23 Fast
Ethernet PoE**



**Power Connectors
Size 1,5 (M40)**



**Connectors
M23 RJ45**



**Push-Pull
Technology
Size M40**



**Signal Connectors
M23**



**Stainless Steel
Connectors
(INOX)**



**Connectors
M27**



**Moulded Cordsets
M23**

