

Cable entries and Cabtite

Cable entries and Cabtite

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Overview

In this section of the catalogue, we offer you a selected range of cable glands specifically for use with the heavy-duty connectors.

Our complete range can be found in the Enclosures catalogue.



Cable glands

The tables below provide an overview of the Weidmüller cable glands and the recommended accessories.

Standard glands

Material/Type	Approvals					Thread sealing rings			Locknuts			
	IP class of protection		EX	EMV	Armou- ring	CSM GWDR...Po	CR GWDR...NP	O-ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
	without seal	with seal										
Plastic												
 VG ... K67	IP67								●			
 VG ... K68	IP68 / 5 bar								●			
 VG ... K68 SKS	IP68 / 5 bar								●			
Nickel-plated brass												
 VG ... MS54	IP54	IP65				optional					●	
 VG ... MS68		IP68 / 5 bar						included			●	
 VG ... MS54-ZE	IP54	IP65				optional					●	
Stainless steel glands on request												

Cable glands Ex

Material/Type	Approvals					Thread sealing rings			Locknuts			
	IP class of protection		EX	EMV	Armou- ring	CSM GWDR...Po	CR GWDR...NP	O-ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
	without seal	with seal										
Plastic Ex												
 VG ... Exe SW	IP66	IP68	Exe				optional			●		
 VG ... Exi BL	IP66	IP68	EExi				optional			●		
Nickel-plated brass Ex												
 VG ... Exe MS		IP68 / 20 bar	Exe					included			●	●
Stainless steel glands on request												

Blanking plugs

Material/Type	Approvals			Thread sealing rings			Locknuts			
	IP class of protection		EX	CSM GWDR...Po	CR GWDR...NP	O-ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
	without seal	with seal								
Plastic										
 VP ... K54	IP54	IP66					●	●		
Nickel-plated brass										
 VP ... MS65		IP68				included			●	●

Selection guide

Cable glands

The sizes given here were calculated for multicore cables.
Pleade note the clamping range of the cable gland selected.

Cross-section	No. of cores	appr. cable mm
0.5 mm² AWG 20	2	5.7 - 8.7
	3	6.0 - 9.0
	4	6.7 - 9.7
	5	7.2 - 10.2
	6	7.6 - 10.6
	7	8.0 - 10.6
	8	9.4 - 12.8
	10	9.4 - 12.8
	12	9.7 - 12.9
	14	10.2 - 13.4
	16	10.7 - 13.9
	21	12.3 - 15.1
	24	13.5 - 16.7
	30	14.3 - 17.5
	35	16.0 - 18.6
	40	16.6 - 19.2
	52	19.2 - 21.6
	61	20.3 - 23.1
	80	22.9 - 25.7
	100	26.4 - 29.6

Cross-section	No. of cores	appr. cable mm
0.75 mm² AWG 18	2	6.8 - 9.8
	3	7.2 - 9.7
	4	7.9 - 10.3
	5	8.9 - 10.9
	6	8.9 - 12.3
	7	9.6 - 12.3
	8	10.4 - 13.8
	9	10.7 - 13.9
	10	10.4 - 13.8
	12	10.7 - 13.9
	15	12.3 - 13.5
	18	13.0 - 16.2
	21	13.6 - 16.8
	25	15.9 - 18.5
	32	17.1 - 19.7
	40	19.0 - 21.4
	50	21.3 - 24.1
	61	22.6 - 25.4
	80	26.1 - 29.3
	100	29.4 - 33.0

Cross-section	No. of cores	appr. cable mm
1 mm² AWG 16 – 18	2	7.1 - 10.1
	3	7.5 - 10.1
	4	8.4 - 10.7
	5	9.2 - 11.4
	6	9.2 - 12.6
	7	9.2 - 12.6
	8	11.0 - 14.4
	9	11.8 - 15.2
	10	11.0 - 14.4
	12	11.8 - 14.6
	14	12.4 - 15.2
	16	13.0 - 16.2
	18	13.7 - 16.9
	20	14.4 - 17.6
	24	16.5 - 19.1
	25	16.9 - 19.5
	34	19.4 - 21.8
	48	22.0 - 24.8
	56	23.2 - 26.0
	61	24.5 - 27.2
	80	27.7 - 30.9
	100	31.8 - 35.2

Metric thread			
12	16	20	
12	16	20	
12	16	20	
16	20		
16	20		
16	20		
16	20	25	
16	20	25	
16	20	25	
20	25		
20	25		
20	25		
25	32		
25	32		
25	32		
25	32	40	
32	40		
32	40		
32	40		
40	50		

Metric thread			
12	16	20	
12	16	20	
12	16	20	
16	20		
16	20	25	
16	20	25	
20	25		
20	25		
20	25		
20	25		
20	25		
25	32		
25	32		
25	32		
25	32		
32	40		
32	40		
40			
40	50		
40	50		

Metric thread			
12	16	20	
12	16	20	
16	20		
16	20	25	
16	20	25	
16	20	25	
20	25		
20	25	32	
20	25	32	
20	25	32	
20	25	32	
25	32		
25	32		
25	32	40	
25	32	40	
25	32	40	
32	40		
40			
40	50		
40	50		
40	50		
40	50	63	

PG thread with onion gasket			
9			
9			
9	11		
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
11	13.5	16	
11	13.5	16	
13.5	16	21	
13.5	16	21	
16	21		
21			
21	29		
21	29		
29	36		
29	36		

PG thread with onion gasket			
9	11		
9	11		
9	11		
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
11	13.5	16	
11	13.5	16	
11	13.5	16	
11	13.5	16	
13.5	16		
13.5	16	21	
13.5	16	21	
21	29		
21	29		
21	29		
21	29		
21	29	36	
29	36		
36			

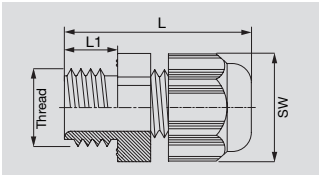
H.5

Standard cable glands – plastic

Glands – plastic – IP67



Inexpensive alternative for industrial applications - without approvals.



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / TPE
Temperature range	-20 °C ... 80 °C
Class of protection	IP 67 / V2

Note	Version with moulded sealing lip Length L varies depending on the cable diameter used
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Ordering data

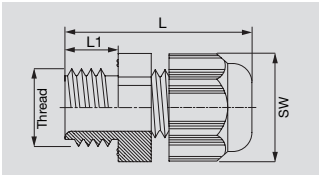
Type metric	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG M12-K67	M 12 x 1.5	3 - 6.5	23.9 / 8	15	100	1909660000
VG M16-K67	M 16 x 1.5	4 - 8	27.7 / 8	19	50	1909670000
VG M16-K67	M 16 x 1.5	5 - 10	29 / 10	22	50	1909680000
VG M20-K67	M 20 x 1.5	6 - 12	29.2 / 10	24	50	1909690000
VG M20-K67	M 20 x 1.5	10 - 14	32.8 / 10	27	50	1909700000
VG M25-K67	M 25 x 1.5	13 - 18	37.9 / 10	33	25	1909710000
VG M32-K67	M 32 x 1.5	18 - 25	40.7 / 10	42	20	1909720000
VG M40-K67	M 40 x 1.5	22 - 32	51.3 / 10	53	10	1909730000
VG M50-K67	M 50 x 1.5	30 - 38	53.5 / 18	60	10	1909740000
VG M63-K67	M 63 x 1.5	34 - 44	55 / 18	65	10	1909750000
PG						
VG PG7-K67	PG 7	3 - 6.5	23.9 / 8	15	100	1909760000
VG PG9-K67	PG 9	4 - 8	27.7 / 8	19	50	1909770000
VG PG11-K67	PG 11	5 - 10	29 / 8	22	50	1909780000
VG PG13,5-K67	PG 13.5	6 - 12	29.2 / 9	24	50	1909790000
VG PG16-K67	PG 16	10 - 14	32.8 / 9	27	50	1909800000
VG PG21-K67	PG 21	13 - 18	37.9 / 11	33	25	1909810000
VG PG29-K67	PG 29	18 - 25	40.7 / 11	42	20	1909820000
VG PG36-K67	PG 36	22 - 32	51.3 / 13	53	10	1909830000
VG PG42-K67	PG 42	30 - 38	53.5 / 13	60	10	1909840000
VG PG48-K67	PG 48	34 - 44	55 / 14	65	10	1909850000

no approvals, halogen-free without O-ring, Torque settings available

Glands – plastic – IP68



Plastic cable gland for industrial applications where class of protection IP 68 is called for.



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection	IP 68 - 5 bar / V2
Standard	EN 50262 (for metric thread)

Note	Version with moulded sealing lip Length L varies depending on the cable diameter used
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Ordering data

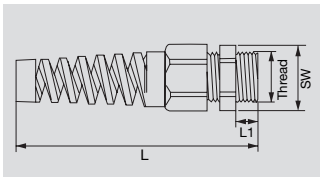
Type metric	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG M12-1/K68	M 12 x 1.5	3 - 6.5	32.4 / 8	15	100	1772280000
VG M16-1/K68	M 16 x 1.5	4.5 - 10	35.7 / 10	22	50	1909860000
VG M20-1/K68	M 20 x 1.5	6 - 12	41.2 / 10	24	50	1772300000
VG M25-1/K68	M 25 x 1.5	11 - 17	43.2 / 8	29	25	1909870000
VG M32-1/K68	M 32 x 1.5	15 - 21	50.7 / 10	36	20	1909880000
VG M40-1/K68	M 40 x 1.5	19 - 28	55.2 / 10	46	10	1909890000
VG M50-1/K68	M 50 x 1.5	27 - 38	70.3 / 18	60	10	1909900000
VG M63-1/K68	M 63 x 1.5	34 - 44	72.9 / 18	65	10	1772350000
PG						
VG 7-K68	PG 7	3 - 6.5	30.5 / 8	15	100	1568970000
VG 9-K68	PG 9	4 - 8	34 / 8	19	50	1568980000
VG 11-K68	PG 11	5 - 10	37 / 8	22	50	1568990000
VG 13,5-K68	PG 13.5	6 - 12	39 / 9	24	50	1569000000
VG 16-K68	PG 16	10 - 14	42.5 / 10	27	50	1569010000
VG 21-K68	PG 21	13 - 18	48 / 11	33	25	1569020000
VG 29-K68	PG 29	18 - 25	53 / 11	42	20	1569030000
VG 36-K68	PG 36	22 - 32	65 / 13	53	10	1569040000
VG 42-K68	PG 42	30 - 38	68 / 13	60	10	1569050000
VG 48-K68	PG 48	34 - 44	69 / 14	65	10	1718770000

VDE for metric version, halogen-free without O-ring, Torque settings available

Glands – plastic – SKS



Plastic gland with spiral antikink protection especially for flexible connections.



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection	IP 68 - 5 bar / V2
Standard	EN 50262 (for metric thread)
Note Version with moulded sealing lip Length L varies depending on the cable diameter used	

Ordering data

Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric						
VG M12-K68 SKS	M 12 x 1.5	3 - 6.5	66.5 / 8	15	100	1776700000
VG M16-K68 SKS	M 16 x 1.5	5 - 10	80 / 10	22	50	1776710000
VG M20-K68 SKS	M 20 x 1.5	6 - 12	106 / 11	24	50	1778860000
VG M20-K68 SKS	M 20 x 1.5	10 - 14	106 / 15	27	50	1776720000
VG M25-K68 SKS	M 25 x 1.5	13 - 18	129 / 15	33	25	1776730000
PG						
VG 7-K68 SKS	PG 7	3 - 6.5	62 / 8	15	50	1720470000
VG 9-K68 SKS	PG 9	4 - 8	78 / 8	19	50	1720480000
VG 11-K68 SKS	PG 11	5 - 10	84 / 8	22	100	1720490000
VG 13,5-K68 SKS	PG 13.5	6 - 12	105 / 9	24	50	1720500000
VG 16-K68 SKS	PG 16	10 - 14	117 / 10	27	25	1720510000
VG 21-K68 SKS	PG 21	13 - 18	130 / 11	33	20	1720520000

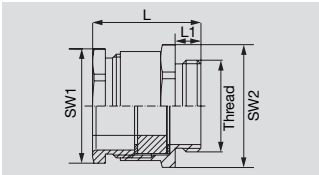
VDE for metric version, halogen-free without O-ring, Torque settings available

Standard cable glands – brass

Glands – brass – IP54



Brass cable gland for industrial applications.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / soft rubber
Temperature range	-20 °C ... 60 °C
Class of protection / with GWDR	IP 54 / IP 65
Standard	DIN 46320 / C4

Note	Optional sealing ring Length L varies depending on the cable diameter used.
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Ordering data

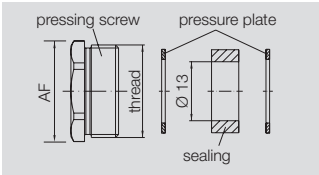
Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M12-MS54	M 12 x 1.5	5 - 7	21.5 / 6	14 / 13	100	1778410000
VG M12-MS54	M 12 x 1.5	6 - 8	22 / 6	17 / 15	100	1778400000
VG M16-MS54	M 16 x 1.5	8 - 10	26 / 6	20 / 18	100	1778390000
VG M20-MS54	M 20 x 1.5	8 - 10	26.5 / 6.5	22 / 18	50	1778380000
VG M20-MS54	M 20 x 1.5	10 - 12	26.5 / 6.5	22 / 20	50	1778370000
VG M25-MS54	M 25 x 1.5	12 - 14	27.5 / 7	27 / 22	50	1778360000
VG M25-MS54	M 25 x 1.5	15 - 17	29.5 / 7	30 / 28	50	1778350000
VG M32-MS54	M 32 x 1.5	24 - 26	33 / 8	40 / 38	25	1778340000
VG M40-MS54	M 40 x 1.5	28 - 30	33 / 8	43 / 37	25	1778330000
VG M50-MS54	M 50 x 1.5	31 - 33	39 / 9	55 / 47	10	1778320000
VG M50-MS54	M 50 x 1.5	39 - 41	43 / 9	57 / 54	5	1778310000
VG M63-MS54	M 63 x 1.5	45 - 47	45 / 10	68 / 60	5	1778300000
PG						
VG 7-MS54	PG 7	5 - 7	20.5 / 5	14 / 13	100	0521500000
VG 9-MS54	PG 9	6 - 8	22 / 6	17 / 15	100	0261500000
VG 11-MS54	PG 11	8 - 10	26 / 6	20 / 18	50	0260700000
VG 13,5-MS54	PG 13.5	10 - 12	26 / 6.5	22 / 20	50	0260800000
VG 16-MS54	PG 16	12 - 14	27 / 6.5	24 / 22	50	0261400000
VG 21-MS54	PG 21	15 - 17	29.5 / 7	30 / 28	50	0260900000
VG 29-MS54	PG 29	24 - 26	33 / 8	40 / 37	25	0261000000
VG 36-MS54	PG 36	33 - 35	39 / 9	50 / 47	20	0497600000
VG 42-MS54	PG 42	41 - 43	44 / 10	57 / 54	10	0497700000
VG 48-MS54	PG 48	45 - 47	45 / 10	64 / 60	5	1718780000

Further versions on request, Torque settings available

Pressure screws – brass – IP65



Half cable glands are designed for use in the new HDC RockStar base housings. The combination of half cable gland and housing provides IP 65 class of protection.



Technical data

Material:	
- pressure screw	Nickel-plated brass
- sealing ring	SBR / NBR
- pressure ring	Polyamide
Temperature range	-20°C ... +60°C

Note

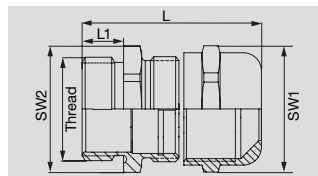
Ordering data

Type metric	Thread	Clamp. range	AF	Qty	Order No.
VG H M20 MS	M 20 x 1.5	7.0 x 10.0 x 13.0 mm	20	1	1921720000
VG H M25 MS	M 25 x 1.5	11.5 x 14.5 x 18.0 mm	25	1	1921740000
VG H M32 MS	M 32 x 1.5	19.0 x 22.0 x 25.0 mm	32	1	1921760000
VG H M40 MS	M 40 x 1.5	26.0 x 29.0 x 32.0 mm	40	1	1921770000
PG					
KV 11 - M	PG 11	10.0 x 12.5 mm	18	10	1656390000
KV 13 - M	PG 13.5	10.0 x 11.0 x 12.0 mm	24	10	1656400000
KV 16 - M	PG 16	10.0 x 12.5 x 15.0 mm	22	10	1656410000
KV 21 - M	PG 21	13.0 x 16.0 x 19.0 mm	28	10	1656420000
KV 29 - M	PG 29	21.0 x 24.0 x 27.0 mm	37	10	1656430000
KV 42 - M	PG 42	41.0 x 42.0 x 43.0 mm	65	5	1656450000

Glands – brass – IP68



Brass cable gland for industrial applications where class of protection IP 68 is called for.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	IP 68 / IP 68 - 5 bar IP 69 k

Note	Length L varies according to cable diameter used IP 67 k does not apply to PG 29, 36, 42, 48
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Ordering data

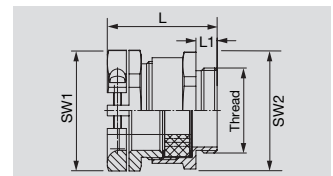
Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M12-1/MS68	M 12 x 1.5	3 - 6.5	27.2 / 5	14	50	1772200000
VG M16-1/MS68	M 16 x 1.5	4.5 - 10	37.3 / 7.5	20	50	1909910000
VG M20-1/MS68	M 20 x 1.5	6 - 12	32 / 8	22	50	1772200000
VG M25-1/MS68	M 25 x 1.5	11 - 17	42 / 8	27	25	1909920000
VG M32-1/MS68	M 32 x 1.5	15 - 21	45 / 8	34	20	1909930000
VG M40-1/MS68	M 40 x 1.5	19 - 28	55.1 / 9	43	20	1909940000
VG M50-1/MS68	M 50 x 1.5	27 - 38	62.2 / 9	58	12	1909950000
VG M63-1/MS68	M 63 x 1.5	34 - 44	63.6 / 14	68 / 64	12	1772270000
PG						
VG 7-MS68	PG 7	3 - 6.5	23 / 5	14	50	1569060000
VG 9-MS68	PG 9	4 - 8	27 / 6	17	50	1569070000
VG 11-MS68	PG 11	5 - 10	28.5 / 6	20	50	1569080000
VG 13,5-MS68	PG 13.5	6 - 12	29.5 / 6.5	22	50	1569090000
VG 16-MS68	PG 16	10 - 14	29.5 / 6.5	24	25	1569100000
VG 21-MS68	PG 21	13 - 18	33.5 / 7	30	25	1569110000
VG 29-MS68	PG 29	18 - 25	37.5 / 8	40	20	1569120000
VG 36-MS68	PG 36	22 - 32	45 / 9	50	15	1569130000
VG 42-MS68	PG 42	30 - 38	47.5 / 10	58	12	1569140000
VG 48-MS68	PG 48	34 - 44	50.5 / 10	64	12	1718790000

Further versions on request
VDE for metric, Torque settings available

Glands – brass – ZE



Brass cable gland with external concentric strain relief by means of clamping jaws.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 90 °C
Class of protection / with GWDR	IP 54 / IP 65

Note	Optional sealing ring Length L varies depending on the cable diameter used.
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Ordering data

Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M12-MS54 ZE	M 12 x 1.5	5 - 7	21.5 / 6	14	100	1778420000
VG M16-MS54 ZE	M 16 x 1.5	4 - 9.5	26 / 6	18	100	1778440000
VG M20-MS54 ZE	M 20 x 1.5	6 - 11.5	26.5 / 6.5	22	50	1778450000
VG M20-MS54 ZE	M 20 x 1.5	6 - 13.5	26.5 / 6.5	22	50	1778460000
VG M25-MS54 ZE	M 25 x 1.5	9 - 21.5	29.5 / 7	30	50	1778480000
VG M32-MS54 ZE	M 32 x 1.5	17 - 29.5	33 / 8	39	25	1778490000
VG M40-MS54 ZE	M 40 x 1.5	23 - 36.5	33 / 8	43	25	1778500000
VG M50-MS54 ZE	M 50 x 1.5	29 - 42.5	43 / 9	57	5	1778520000
VG M63-MS54 ZE	M 63 x 1.5	35 - 46.5	45 / 10	68	5	1778530000
PG						
VG 7-MS54-ZE	PG 7	5 - 7	27 / 5	14 / 16	50	1718800000
VG 9-MS54-ZE	PG 9	4 - 11	30.5 / 6	17 / 19	50	1718810000
VG 11-MS54-ZE	PG 11	6 - 13	31.5 / 6	20 / 22	50	1718820000
VG 13,5-MS54-ZE	PG 13.5	6 - 13	32 / 6.5	22 / 24	50	1718830000
VG 16-MS54-ZE	PG 16	6 - 16	33 / 6.5	24 / 27	50	1718840000
VG 21-MS54-ZE	PG 21	9 - 20	38 / 7	30 / 34	50	1718850000
VG 29-MS54-ZE	PG 29	17 - 28	43 / 8	40 / 42	25	1718860000
VG 36-MS54-ZE	PG 36	23 - 34	49.5 / 9	50 / 52	10	1718870000
VG 42-MS54-ZE	PG 42	29 - 40	53.5 / 10	57 / 62	5	1718880000
VG 48-MS54-ZE	PG 48	35 - 46	55 / 10	64 / 68	5	1718890000

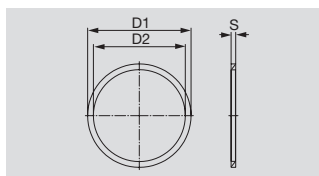
Further versions on request, Torque settings available

Thread sealing rings

Sealing rings – standard



For increasing the class of protection for cable glands and blanking plugs.



Technical data

Material / colour	Polyethylene / -
Temperature range	-30 °C ... 90 °C
Standard	DIN 46320 (for PG thread)

Note

Ordering data

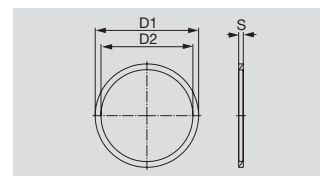
Type metric	Thread-size	D1	D2	S	Qty.	Order No.
GWDR M12-PO	M 12 x 1.5	16	12	1.5	50	1777920000
GWDR M16-PO	M 16 x 1.5	20	16	1.5	50	1777930000
GWDR M20-PO	M 20 x 1.5	24	20	2	100	1777940000
GWDR M25-PO	M 25 x 1.5	29	25	2	50	1777950000
GWDR M32-PO	M 32 x 1.5	36	32	2	50	1777960000
GWDR M40-PO	M 40 x 1.5	44	40	2	50	1777970000
GWDR M50-PO	M 50 x 1.5	54	50	2	50	1777980000
GWDR M63-PO	M 63 x 1.5	67	63	2	50	1777990000
PG						
GWDR PG7-PO	PG 7	16.5	12.5	1.6	100	1719440000
GWDR PG9-PO	PG 9	19	15.3	1.6	100	1719450000
GWDR PG11-PO	PG 11	22.5	18.6	1.8	100	1719460000
GWDR PG13,5-PO	PG 13.5	25	20.4	1.8	100	1719470000
GWDR PG16-PO	PG 16	27	22.5	1.8	100	1719480000
GWDR PG21-PO	PG 21	33.5	28.5	2.2	100	1719490000
GWDR PG29-PO	PG 29	43.5	37	2.2	50	1719500000
GWDR PG36-PO	PG 36	55	47	2.7	50	1719510000
GWDR PG42-PO	PG 42	63	54	3.2	10	1719520000
GWDR PG48-PO	PG 48	69	59.3	3.2	5	1719530000

Further versions on request

Sealing rings – 9005



For increasing the class of protection for cable glands and blanking plugs - recommended for use in Ex applications.



Technical data

Material / colour	Neoprene / RAL 9005
Temperature range	-40 °C ... 100 °C
Standard	DIN 46320 (for PG thread)

Note

Ordering data

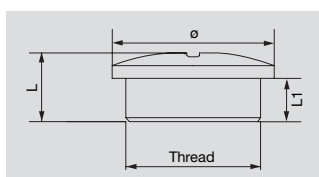
Type metric	Thread-size	D1	D2	S	Qty.	Order No.
GWDR M12-NP	M 12	18	12	1.2	50	1913320000
GWDR M16-NP	M 16	22	16	1.2	50	1736230000
GWDR M20-NP	M 20	24	20	1.2	50	1736240000
GWDR M25-NP	M 25	30	25	1.5	50	1736250000
GWDR M32-NP	M 32	42	32	1.5	50	1736260000
GWDR M40-NP	M 40	52	40	1.5	20	1736270000
GWDR M50-NP	M 50	63	50	1.5	20	1736280000
GWDR M63-NP	M 63	77	63	2	10	1736290000
PG						
GWDR PG7-NP	PG 7	17	11.6	1.2	100	1719540000
GWDR PG9-NP	PG 9	21	14	1.2	100	1719550000
GWDR PG11-NP	PG 11	24	17	1.2	100	1719560000
GWDR PG13,5-NP	PG 13.5	27	19.5	1.2	100	1719570000
GWDR PG16-NP	PG 16	30	22.5	1.2	100	1719580000
GWDR PG21-NP	PG 21	35	28.3	1.5	100	1719590000
GWDR PG29-NP	PG 29	45	37	1.5	50	1719600000
GWDR PG36-NP	PG 36	60	47	1.5	20	1719610000
GWDR PG42-NP	PG 42	65	54	1.5	10	1719620000
GWDR PG48-NP	PG 48	71	59.3	1.5	5	1719630000

Further versions on request

Sealing plugs – plastic



For sealing surplus threaded holes to maintain the IP class of protection.



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring	-
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	IP 54 / IP 66
Standard	DIN 46320 (for PG thread)
Flammability class	V2

Note Optional sealing ring

Ordering data

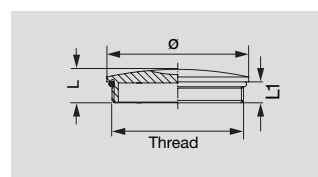
Type metric	Thread-size	L	L1	Top dia.	Qty.	Order No.
VP M12 K54	M 12 x 1.5	10	6	15	100	1776930000
VP M16 K54	M 16 x 1.5	11.5	7	19	100	1776920000
VP M20 K54	M 20 x 1.5	12.5	7.5	22	100	1776910000
VP M25 K54	M 25 x 1.5	15	11	27	100	1776900000
VP M32 K54	M 32 x 1.5	16	11	34	100	1776940000
VP M40 K54	M 40 x 1.5	18	12	42	50	1776950000
VP M50 K54	M 50 x 1.5	20	13	52	25	1776960000
VP M63 K54	M 63 x 1.5	20	14	65	50	1776970000
PG						
VP 7-K54	PG 7	8	6	15	50	1719250000
VP 9-K54	PG 9	9	6	19	100	0294760000
VP 11-K54	PG 11	10.5	6.5	22	100	0294860000
VP 13,5-K54	PG 13.5	9.5	6	25	100	0294960000
VP 16-K54	PG 16	9.5	6	27	100	0295060000
VP 21-K54	PG 21	11	8	33	100	0295160000
VP 29-K54	PG 29	12	8	44	50	0501160000
VP 36-K54	PG 36	15	10	55	25	0501260000
VP 42-K54	PG 42	16	10	62	10	0501360000
VP 48-K54	PG 48	16	12	69	5	1719260000

Further versions on request

Sealing plugs – brass



For sealing surplus threaded holes to maintain the IP class of protection.



Technical data

Material / colour	Brass, nickel-plated / -
Sealing ring	-
Temperature range	-30 °C ... 100 °C
Class of protection / with GWDR	- / IP 68

Note

Ordering data

Type metric	Thread-size	L	L1	Top dia.	Qty.	Order No.
VP M12-MS65	M 12 x 1.5	7.4	5	14	100	1777720000
VP M16-MS65	M 16 x 1.5	8	6	20	100	1777730000
VP M20-MS65	M 20 x 1.5	9.4	6.5	22	100	1777740000
VP M25-MS65	M 25 x 1.5	10.8	7	28	100	1777750000
VP M32-MS65	M 32 x 1.5	11.6	8	35	50	1777760000
VP M40-MS65	M 40 x 1.5	12.3	8	45	50	1777770000
VP M50-MS65	M 50 x 1.5	15	9	55	25	1777780000
VP M63-MS65	M 63 x 1.5	18	10	68	10	1777790000
PG						
VP 7-MS65	PG 7	8	5	15	100	0521600000
VP 9-MS65	PG 9	8	4.5	18	100	0294700000
VP 11-MS65	PG 11	8	5	22	100	0294800000
VP 13,5-MS65	PG 13.5	9.5	6	24	100	0294900000
VP 16-MS65	PG 16	9	6	26	100	0295000000
VP 21-MS65	PG 21	11	6	32	100	0295100000
VP 29-MS65	PG 29	12	8	40	50	0501100000
VP 36-MS65	PG 36	15	9	50	25	0501200000
VP 42-MS65	PG 42	16	10	57	10	0501300000
VP 48-MS65	PG 48	16	10	64	5	1719270000

Further versions on request, Torque settings available

Cabtite – Cable entry system

Do you really need a plug-in connector on the outside of your switchgear cabinet?
 Or do you simply just want to make the right connections?
 Now you can save space, time and money with Cabtite.
 Cabtite makes it possible for you to insert your pre-assembled connectors through the cabinet wall and, at the same time, achieves a minimum protection classification of IP54.
 The manufacturer's guarantee remains valid because the cable does not have to be cut.
 The individual elements of the system result in countless combination options because the same sealing grommets are utilised for the entry frames and the cable glands.
 In particular, when used for measurement circuits, servo cables, computer cables or fieldbus systems, Cabtite is suitable for use in the following applications:

- Control engineering
- Switchgear cabinet manufacture
- Motor vehicle manufacture
- Systems engineering
- Mechanical engineering
- Electrical installation

Cabtite KEL SNAP frame



Separable cable gland Cabtite KVT



Cabtite sample set

Get a feel for the Cabtite system with our Cabtite sample set. It contains cable entry frames, snap frames, separable cable glands as well as diverse cable grommets.

Ordering data

Type	Qty	Order No.
Cabtite Sample Kit	1	1849780000

HDC KT ...

Cable grommets, small

Cable grommets
for ASI cables

Technical data

Material, grey	Free from elastomers, halogens and silicone
Material, black	Elastomers with very high chemical resistance
Temperature range	-20 °C ... 80 °C
UL94 flammability rating	V0

Ordering data

Type	Clamping range [mm]	Qty	Order No. grey	Order No. black
HDC KT 3	3–4	10	1826460000	1827790000
HDC KT 4	4–5	10	1826470000	1827800000
HDC KT 5	5–6	10	1826480000	1827810000
HDC KT 6	6–7	10	1826490000	1827830000
HDC KT 7	7–8	10	1826500000	1827840000
HDC KT 8	8–9	10	1826510000	1827850000
HDC KT 9	9–10	10	1826520000	1827860000
HDC KT 10	10–11	10	1826530000	1827870000
HDC KT 11	11–12	10	1826540000	1827880000
HDC KT 12	12–13	10	1826550000	1827890000
HDC KT 13	13–14	10	1826560000	1827900000
HDC KT 14	14–15	10	1826570000	1827910000
HDC KT 15	15–16	10	1826580000	1827920000
HDC KTS 16	16–17	10	1826590000	1827930000
HDC KTS 17	17–18	10	1826600000	1827940000
for ASI cables				
HDC KT-ASI		10	1826610000	1828120000
2 or 4 openings				
HDC KT 2/4	2 x 4	10	1826620000	1828130000
HDC KT 2/5	2 x 5	10	1826630000	1828140000
HDC KT 2/6	2 x 6	10	1826640000	1828150000
HDC KT 4/5	4 x 5	10	1826650000	1828160000
Blanking plugs, small				
HDC BTK		10	1828170000	1828200000

HDC KT ...

Cable grommets, large



Blanking plugs

Adapter grommet

Technical data

Material, grey	Free from elastomers, halogens and silicone
Material, black	Elastomers with very high chemical resistance
Temperature range	-20 °C ... 80 °C
UL94 flammability rating	V0

Ordering data

Type	Clamping range [mm]	Qty	Order No. grey	Order No. black
HDC KT 16	16–17	10	1825950000	1827950000
HDC KT 17	17–18	10	1826300000	1827960000
HDC KT 18	18–19	10	1826310000	1827970000
HDC KT 19	19–20	10	1826320000	1827980000
HDC KT 20	20–21	10	1826330000	1827990000
HDC KT 21	21–22	10	1826340000	1828000000
HDC KT 22	22–23	10	1826350000	1828010000
HDC KT 23	23–24	10	1826360000	1828020000
HDC KT 24	24–25	10	1826370000	1828030000
HDC KT 25	25–26	10	1826380000	1828040000
HDC KT 26	26–27	10	1826390000	1828050000
HDC KT 27	27–28	10	1826400000	1828060000
HDC KT 28	28–29	10	1826410000	1828070000
HDC KT 29	29–30	10	1826420000	1828080000
HDC KT 30	31–32	10	1826430000	1828090000
HDC KT 32	32–33	10	1826440000	1828100000
HDC KT 34	33–34	10	1826450000	1828110000
Adapter grommet, large (for small cable grommets)				
HDC ATG		10	1828190000	1828220000
Blanking plugs, large				
HDC BTG		10	1828180000	1828210000

Cabtite KEL

Cabtite KEL

The rectangular panel cutout frames fit exactly into the standard cutout for heavy-duty connectors. This makes it possible to accommodate up to 40 connectors in a very confined space.

- Feeds through prefabricated wiring in confined spaces.
- Two-piece, two-tier system
- Fast and easy mounting
- Standard panel cutout frames for 16- and 24-pole industrial plug-in connectors
- The predefined gap achieves a minimum class of protection of IP54
- Large numbers of cables in very confined spaces
- Retrofitting of prefabricated wiring also possible
- The manufacturer's guarantee covering the prefabricated cables remains valid
- Integral strain relief to VDE 0619
- Locknuts ensure that working "overhead" is safe and simple

Operating mode

1. The grommet is fitted around the cable.

Important:

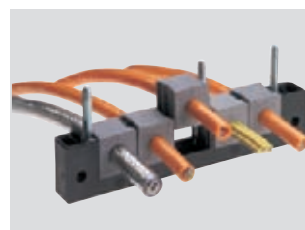
Choose a grommet with an appropriate clamping range for the diameter of the cable!



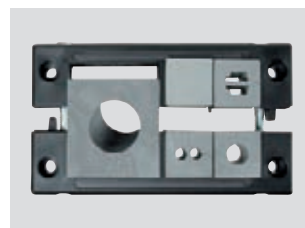
2. Press the grommet with the cable into the open cable entry frame.

Important:

The flat side of the grommet must face upwards!



3. Assemble the two halves of the cable entry frame using the M5x50 Allen screws supplied. This achieves integral strain relief in accordance with VDE 0619 (VDE = German Association for Electrical, Electronic and Information Technologies).



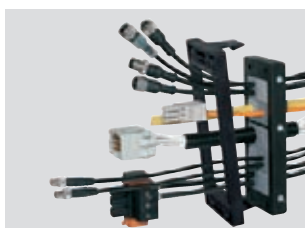
4. Finally, the rubber seal is glued around the cabinet panel cutout and the cable entry frame is secured with 4 screws. The cable entry is now complete, and has a protection class of IP54!



Cabtite KEL SNAP frame

Snap frame for mounting the cable entry frame in the switchgear cabinet.

- The KEL can be fitted quickly without tools
- The KEL need not be fitted or removed to add or remove individual cables
- The drilling pattern is identical with that of the KEL
- Seals are already integrated on both sides
- Switchgear cabinets can be fitted with KEL SNAP in advance
- KEL SNAP is available for KEL 16 and KEL 24



Advantage: The panel cutout frames are the same as those used for heavy-duty connectors. They are supplied by the switchgear cabinet manufacturers. You do not require a new punching die!

HDC KEL 16

Size equivalent to 16-pole HE inserts

KEL 16/8 with 8 small grommets



KEL 16/4 closed half-shell and 4 small grommets

Snap frame
KEL 16 SNAP

Technical data

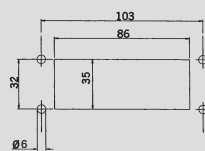
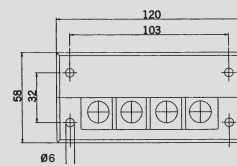
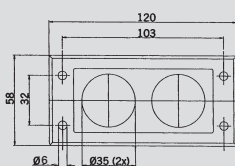
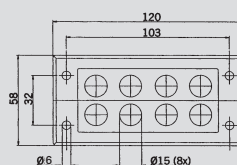
Material	Polyamide, free from halogenes and silicone
Colour	black
Temperature range	-20°C ... 80°C
Class of protection	IP54, when the correct cable grommet is selected
UL94 flammability rating	V0

Ordering data

Type	Number of grommet positions		Qty	Order No.
	small	large		
HDC KEL 16/2	–	2	10	1825860000
HDC KEL 16/4	4	– *)	10	1825900000
HDC KEL 16/5	4	1	10	1849770000
HDC KEL 16/8	8	–	10	1825910000
Snap frame				
HDC KEL 16 SNAP			10	1827770000

*) with closed half shell

Dimensions

Cut-out size 16
35 x 86 mm

HDC KEL 24

Size equivalent to 24-pole HE inserts

KEL 24/10 with 10 small grommets



KEL 24/7 with 1 large and 6 small grommets

Snap frame
KEL 24 SNAP

Technical data

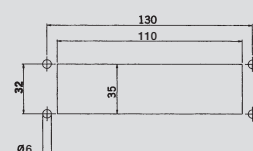
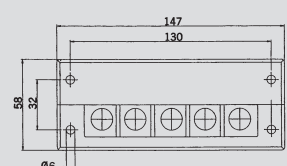
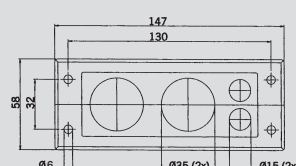
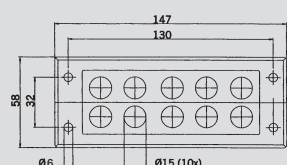
Material	Polyamide, free from halogenes and silicone
Colour	black
Temperature range	-20°C ... 80°C
Class of protection	IP54, when the correct cable grommet is selected
UL94 flammability rating	V0

Ordering data

Typ	Number of grommet positions		Qty	Order No.
	small	large		
HDC KEL 24/4	2	2	10	1825930000
HDC KEL 24/5	5	– *)	10	1825940000
HDC KEL 24/7	6	1	10	1849760000
HDC KEL 24/10	10	–	10	1827760000
Snap frame				
HDC KEL 24 SNAP			10	1827780000

*) with closed half shell

Dimensions

Cut-out size 24
35 x 110 mm

Cabtite – Cable entry frames

Cable clamping rail Cabtite KEL-EMV

Feeds through prefabricated cables without interrupting the shielding

Advantages:

- Direct, simple and quick contact with the enclosure
- Two-tier version saves space with up to 10 cables
- Strain relief without cable ties in accordance with VDE 0619
- No EMC cable glands necessary for mains-generated interference sources
- Low-impedance shielding contact
- Seals using outer sheath and not the shield = higher class of protection!
- Trouble-free retrofitting



Technical data

Material	Stainless steel
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Ordering data

Type	for	Qty	Order No.
HDC KEL EMV 16/4	KEL 16	10	1825750000
HDC KEL EMV 24/5	KEL 24	10	1825760000
HDC KEL EMV x/3	KEL 16 and KEL 24 transverse	10	1825770000

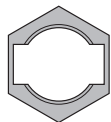
Cabtite KVT

KVTs are used to feed through prefabricated cables when space is tight or only a few cables are required. As is the case with its big brother, the KEL, this product is also a two-piece system for easy assembly using the same cable grommets. The preassembled KVT 32 can be used for hole diameters up to 35 mm, the KVT 63 for hole diameters up to 65 mm. A sealing ring is also included.

- This two-piece system means that the size of the plug-in connector to be fed through is limited only by the size of the hole diameter.
- Two-piece two-tier system
- Fast and easy mounting
- The predefined gap achieves a minimum class of protection of IP54
- Large numbers of cables in very confined spaces
- Retrofitting of prefabricated wiring also possible
- The manufacturer's guarantee covering the prefabricated cables remains valid
- Integral strain relief to VDE 0619



KVT 32

Locknut for D-Sub 9
KGM-SUB-D9

KVT 63-1

Operating mode

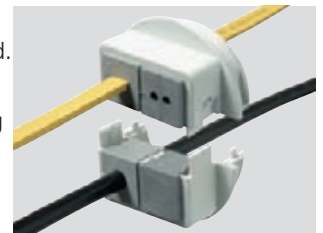
1. The grommet is fitted around the cable.

Important:

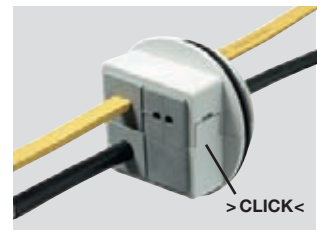
Choose an appropriately sized grommet for the diameter of the cable!



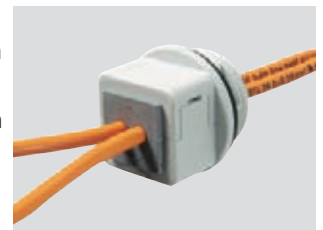
2. Press the grommet with the cable into the open cable gland. The flat sides of the grommet must face upwards when fitting the KVT 63/4!



3. Squeeze the two halves of the cable gland together until they lock together with an audible "click".



4. Place the seal, which is also supplied, over the thread. Then fit the cable gland into the hole and, if necessary, secure it with a locknut.



Technical data

Material	Polyamide, free from halogens and silicone
Class of protection	IP54, when the correct cable grommet is selected
Temperature range	-5°C ... 70°C
UL94 flammability rating	V0

Ordering data

Type	Thread	For grommet		Qty	Order No. white	Order No. black
		small	large			
HDC KVT 25	M 25 x 1.5	1	-	10	1826660000	1828260000
HDC KVT 32	M 32 x 1.5	1	-	10	1826670000	1828270000
HDC KVT 63-4	M 63 x 1.5	4	-	5	1828230000	1828280000
HDC KVT 63-1	M 63 x 1.5	-	1	5	1828240000	1828290000
Note: HDC KVT 63-x types are supplied with a locknut.						
Locknut for D-Sub 9						
KGM-SUB-D9	M 32 x 1.5			10	1828250000	1828300000

