

Industrial Multipole Connectors



B.4 RockStar® IMC Inserts



B.6 RockStar® IMC IP65 Housings



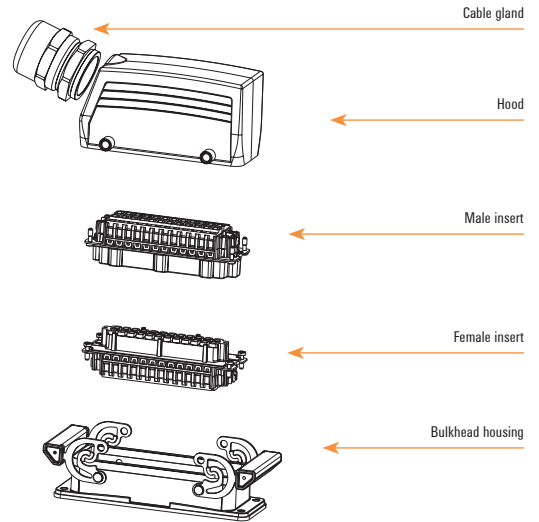
B.8 RockStar® IMC Cable Glands and Accessories



B.9 Cabtite Cable Entry System

Industrial Multipole Connector

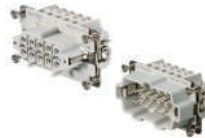
- Free choice with one of the largest ranges of Industrial Multipole Connectors on the market (contact Weidmuller for a full catalogue)
- Stainless steel locking system as standard on all housings ensures long life and resistance to corrosion and impact
- Integrated cable thread in all housings allows you to use either a Weidmuller or your own standard cable gland
- Special die-cast alloy and multi-surface sealing makes Rockstar housings corrosion proof to the toughest of conditions
- World 1st with choice of PUSH IN connection technology
- Only one type of plastic material free from any harmful substances is used in the entire Rockstar range
- All our housings guarantee the best possible sealing to high IP65 ingress protection. IP69K rating also available (please ask)



Selecting an Industrial Multipole Connector

1 Page 55 - The Quick Selection Guide

2 Pages 56 to 57 - Select a matching FEMALE and MALE INSERT based on the number of poles and voltage/current you require. Note: Check the size of the insert (i.e. 1, 2, 3 ... etc).



3 Page 58 - Select either a SIDE, or TOP CABLE ENTRY HOOD to match the size of the inserts. **Note: You also have the option of either 1 end lock or 2 side locks. Note: Coupling Hoods are also available as an accessory on this page**



5 Page 59 - Select either a BULKHEAD or BASE HOUSING again to match the size of the inserts. **Note: You must select the same number of locks as the hood.**



6 Page 60 - Select CABLE GLANDS or BLANKING PLUGS to match the entry sizes and number of entries in the housings.



Sizing Allocations

Housings	Inserts
Size 1	HA 3, HA 4
Size 2	HA 10
Size 3	HE 6
Size 4	HE 10
Size 5	HA 16
Size 6	HE 16, HSB 6
Size 7	HA 32
Size 8	HE 24
Size 9	HA 48
Size 10	HE 32, HSB 12
Size 12	HA 48

Customer Assembly

Weidmuller Australia can also supply Industrial Multipole Connectors prefabricated to your custom specifications. This includes loose prewired cable assemblies or even mounted in the side of a junction box. Ask us for more information.











Quick Selection Guide

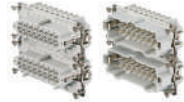
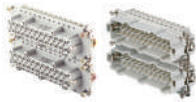
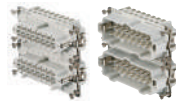
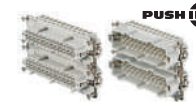
The Quick Selection Guide will assist you to configure a complete connector. Consisting of a male insert, female insert, hood, bulkhead housing and cable gland, this page will allow you to save time.

Metal Housing	Female insert	Male insert	Bulkhead housing	IP68 Cable glands	Hood-Cable Entry: Top	Hood-Side Cable: Entry
HA 3 3-pole, 250V, 10A, Size 1						
M20	1498200000	1498100000	1497600000	1772220000	1788820000	1788810000
HA 4 4-pole, 250V, 10A, Size 1						
M20	1498400000	1498300000	1497600000	1772220000	1788820000	1788810000
HE 6 6-pole, 500V, 16A, Size 3						
M20	1200200000	1200000000	1202100000	1772220000	1788120000	1788100000
HE 10 10-pole, 500V, 16A, Size 4						
M20	1204100000	1203900000	1205000000	1772220000	1787600000	1787560000
HE 16 16-pole, 500V, 16A, Size 6						
M35	1207700000	1207500000	1208600000	1909920000	1788210000	1788180000
HE 24 24-pole, 500V, 16A, Size 8						
M32	1211300000	1211100000	1212400000	1909930000	1786830000	1786770000



Inserts



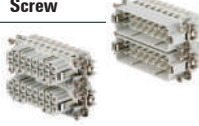
HE Series	HE-Size 3	HE-Size 4	HE-Size 6	HE-Size 8
No. of Poles	6 + ⊕	10 + ⊕	16 + ⊕	24 + ⊕
Connection	Screw	Screw	Screw	Screw
				
Rated Current	24 A	16 A	16 A	16 A
Rated Voltage	500 V	500 V	500 V	500 V
Nominal Voltage to UL/CSA	600 V	600 V	600 V	600 V
Clamping Range	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²
Order No (Female)	1200200000	1204100000	1207700000	1211300000
Order No (Male)	1200000000	1203900000	1207500000	1211100000



Connection	Push In	Push In	Push In	Push In
				
Rated Current	24 A	16 A	16 A	16 A
Rated Voltage	500 V	500 V	500 V	500 V
Nominal Voltage to UL/CSA	600 V	600 V	600 V	600 V
Clamping Range	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²
Order No (Female)	1873520000	1873540000	1873560000	1873580000
Order No (Male)	1873530000	1873550000	1873570000	1873590000

HE Series	HE-Size 10	HE-Size 12	HE-Size 10	HE-Size 12
No. of Poles	32 + ⊕	48 + ⊕	32 + ⊕	48 + ⊕
Connection	Screw	Screw	Push In	Push In
				
Rated Current	16 A	16 A	16 A	16 A
Rated Voltage	500 V	500 V	500 V	500 V
Nominal Voltage to UL/CSA	600 V	600 V	600 V	600 V
Clamping Range	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²
Order No (Female)	1207700000 (1-16)	1211300000 (1-24)	1873560000 (1-16)	1873580000 (1-24)
Order No (Male)	1207500000 (1-16)	1211100000 (1-24)	1873570000 (1-16)	1873590000 (1-24)
Order No (Female)	1216100000 (17-32)	1221200000 (25-48)	1875740000 (17-32)	1875850000 (25-48)
Order No (Male)	1215700000 (17-32)	1220800000 (25-48)	1875800000 (17-32)	1875890000 (25-48)

Inserts

HA Series	HA-Size 1	HA-Size 1
No. of Poles	3 + ⊕	4 + ⊕
Connection	Screw	Screw
		
Rated Current	22 A	22 A
Rated Voltage	250 V	250 V
Nominal Voltage to UL/CSA	600 V	600 V
Clamping Range	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²
Order No (Female)	1498200000	1498400000
Order No (Male)	1498100000	1498300000

HA Series	HA-Size 2	HA-Size 5	HA-Size 7
No. of Poles	10 + ⊕	16 + ⊕	32 + ⊕
Connection	Screw	Screw	Screw
			
Rated Current	22 A	22 A	22 A
Rated Voltage	250 V	250 V	250 V
Nominal Voltage to UL/CSA	600 V	600 V	600 V
Clamping Range	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²
Order No (Female)	1650620000	1650780000	1650780000
Order No (Male)	1650610000	1650770000	1650770000
Order No (Female, 17-32)			1650900000
Order No (Male, 17-32)			1650880000

HSB Series	HSB-Size 6	HSB-Size 10
No. of Poles	6 + ⊕	12 + ⊕
Connection	Screw	Screw
		
Rated Current	35 A	35 A
Rated Voltage	400 V	400 V
Nominal Voltage to UL/CSA	600 V	600 V
Clamping Range	0.5 - 6.0 mm ²	0.5 - 6.0 mm ²
Order No (Female)	1498900000	1498900000
Order No (Male)	1498700000	1498700000
Order No (Female, 17-32)		1499000000
Order No (Male, 17-32)		1498800000

Note * max. with wire end ferrule 4mm2

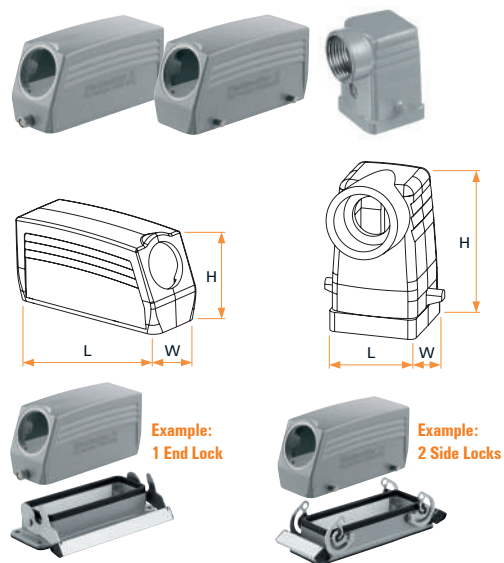
IP65 Housings - Hoods (metric)

Side cable entry

Standard IP65 Housing - All Dimensions are in mm. M = Cable Entry

Size	L	W	H	M	Order No. (1 Lock)	Order No. (2 Locks)
1	26.7	26.7	49.2	20	1788810000	
2	63	29.5	68	20	1788860000	
3	60	43	52	20	1788100000	
	60	43	52	25	1788090000	
4	73	43	52	20		1787560000
	73	43	52	25	1787580000	1787550000
5	79	29.5	58	25	1788740000	
6	93.3	43	61	25	1788200000	1788180000
7	82	56	75	25		1787960000
	82	56	75	32		1787950000
8	120	43	61	25	1787800000	1787760000
	120	43	76	32	1786810000	1786770000
10	94	83	79	32	1788420000	1788400000
12	132	90	94	40	1788310000	

Note * Hoods come with sealing washer pre-fitted in the gland entries

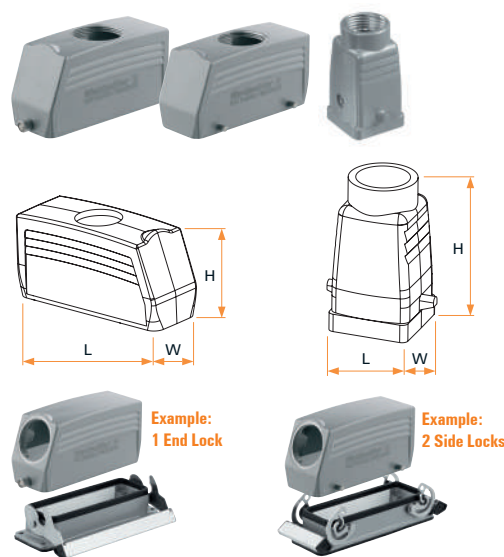


Top cable entry

Standard IP65 Housing - All Dimensions are in mm. M = Cable Entry

Size	L	W	H	M	Order No. (1 Lock)	Order No. (2 Locks)
1	26.7	26.7	50	20	1788820000	
2	63	29.5	54	20	1788620000	
	63	29.5	54	25	1788610000	
3	60	43	52	20	1788120000	
	60	43	52	25	1788110000	
4	73	43	52	20		1787600000
	73	43	52	25	1787620000	
5	79	29.5	58	25	1788750000	
6	93.3	43	61	25	1788230000	1788210000
7	82	56	75	32		1787990000
8	120	43	61	25	1787860000	1787820000
	120	43	76	32	1786860000	1786830000
10	95	83	79	32	1788450000	1788430000
12	132	90	94	50	1788330000	

Note * Hoods come with sealing washer pre-fitted in the gland entries



Optional accessories: coupling hoods (metric)

Standard IP65 Housing - M = Cable Entry

Size	M	Order No. (1 Lock)	Order No. (2 Locks)
1	20	1788840000	
2	25	1788670000	
4	20	1787740000	1787720000
	25	1787730000	
5	25	1788800000	
6	25		1787200000
	32		1787190000
	25	1787220000	
7	25		1788080000
	32		1788070000
8	25		1787920000
	32		1786960000

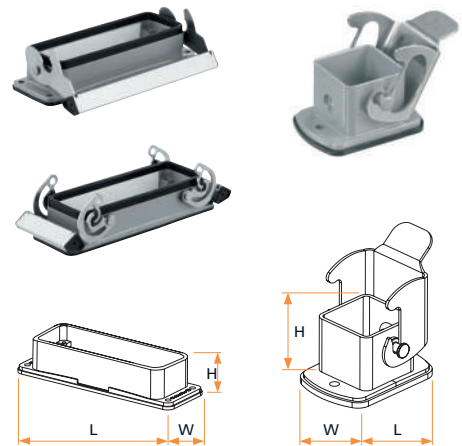
Note * Hoods come with sealing washer pre-fitted in the gland entries



IP65 Housings - Bases (metric)

Bulkhead housing - Standard IP65 Housing - All Dimensions are in mm.

Size	L	W	H	Order No. (1 Lock)	Order No. (2 Locks)
1	28	30	23	1497600000	
2	84	32	25	1664040000	
	84	32	37.5	1664060000 ²	
3	82	47	29	1202100000	
	82	47	47	1202500000 ²	
4	95	47	29.3	1206100000	1205000000
	95	47	47	1206500000 ²	
5	98	33	25	1664920000	
	98	33	44.5	1664940000 ²	
6	115	47	29	1209700000	1208600000
	115	47	47	1210100000 ²	
7	102	60.5	25		1665860000
8	143	47	29.3	1213900000	1212400000
	143	47	47	1214300000 ²	
10	127	89	38	1219500000	1217800000
	127	89	55	1219800000 ²	
12	168	97	62	1222900000 ²	

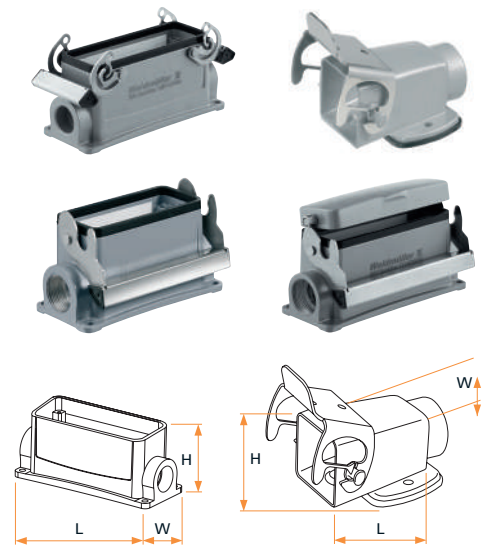


Key: ² indicates with an integral cover

Base housing with 1 or 2 entries

Standard IP65 Housing - All Dimensions are in mm. M = 1 or 2 Cable Entries

Size	L	W	H	M	Order No. (1 Lock)	Order No. (2 Locks)
1	41.5	30	26.8	1 x M20	1788830000	
2	80	50	57	1 x M20	1901100000	
	80	50	69.5	1 x M20	1901010000 ²	
	80	50	57	1 x M25	1901160000	
	80	50	69.5	1 x M25	1901040000 ²	
	80	50	57	2 x M20	1788640000	
	80	50	69.5	2 x M20	1788660000 ²	
	80	50	57	2 x M25	1788630000	
	80	50	69.5	2 x M25	1788650000 ²	
3	82	54.5	54	1 x M20	1900460000	
	82	54.5	72	1 x M20	1900360000 ²	
	82	54.5	54	1 x M25	1900480000	
	82	54.5	72	1 x M25	1900380000 ²	
	82	54.5	54	2 x M20	1788140000	
	82	54.5	72	2 x M20	1788170000 ²	
	82	54.5	54	2 x M25	1788130000	
	82	54.5	72	2 x M25	1788160000 ²	
4	92.5	53.5	57	1 x M20	1901620000	1901360000
	92.5	53.5	79.5	1 x M20	1901570000 ²	
	92.5	53.5	57	1 x M25	1901640000	1901370000
	92.5	53.5	57	2 x M20	1787660000	1787640000
	92.5	53.5	79.5	2 x M20	1787700000 ²	
	92.5	53.5	57	2 x M25	1787650000	1787630000
	92.5	53.5	57	2 x M25	1787650000	
5	96	50	57	2 x M20	1788770000	
	96	50	76.5	2 x M20	1788790000 ²	
	96	50	57	2 x M25	1788760000	
	96	50	76.5	2 x M25	1788780000 ²	
6	117	56.5	64	1 x M25	1900170000	1899980000
	117	56.5	64	2 x M25	1788250000	1788240000
	117	56.5	82	2 x M25	1788270000 ²	
7	106	64.5	75	1 x M25		1903870000
	106	64.5	75	2 x M25		1788040000
8	144	57.5	64	1 x M25	1901560000	1901150000
	144	57.5	86	1 x M25	1901480000 ²	
	144	57.5	64	2 x M25	1787880000	1787870000
	144	57.5	86	2 x M25	1787900000 ²	
10	126	92.5	79	1 x M32	1902670000	1902600000
	126	92.5	96	1 x M32	1902650000 ²	
	126	92.5	79	2 x M32	1788470000	1788460000
	126	92.5	96	2 x M32	1788490000 ²	
12	138	120	100	1 x M32	1904190000	
	138	120	120	1 x M32	1904150000 ²	
	138	120	100	2 x M40	1788360000	



Key: ² indicates with an integral cover

Note: Only half glands required with base entries

Cable Glands and Accessories

Plastic Polyamide - IP67	Brass Nickel Plated - IP54/ IP65	Brass Nickel Plated - IP68
IP67 as Standard with Integral moulded sealing lip	IP54 as Standard IP65 with sealing washer added	IP68 as Standard with Included O-Ring



Thread	Order No.	Clamping Range	Thread	Order No.	Clamping Range	Thread	Order No.	Clamping Range
M 20	1909690000	6 - 12 mm ø	M 20	1778380000	8 - 10 mm ø	M 20	1772220000	6 - 12 mm ø
M 20	1909700000	10 - 14 mm ø	M 20	1778370000	10 - 12 mm ø	M 25	1909920000	11 - 17 mm ø
M 25	1909710000	13 - 18 mm ø	M 25	1778360000	12 - 14 mm ø	M 32	1909930000	15 - 21 mm ø
M 32	1909720000	18 - 25 mm ø	M 25	1778350000	15 - 17 mm ø	M 40	1909940000	19 - 28 mm ø
M 40	1909730000	22 - 32 mm ø	M 32	1778340000	24 - 26 mm ø	M 50	1909950000	27 - 38 mm ø
M 50	1909740000	30 - 38 mm ø	M 40	1778330000	28 - 30 mm ø			
			M 50	1778310000	39 - 41 mm ø			

Half Glands - IP65	Bellmouth Brass Nickel Plated - IP54
For use with Base Housings Only Brass Nickel Plated	IP54 as Standard Bending Protection and Strain Relief



Thread	Order No.	Clamping Range	Thread	Order No.	Flared Entry Clamping Range	Strained Relief Clamping Range
M 20	1921720000	7 - 13 mm ø	M 20	1005210000	6.5 - 12.5 mm ø	8 - 12 mm ø
M 25	1921740000	11.5 - 18 mm ø	M 20	1004370000	6.5 - 12.5 mm ø	9 - 14 mm ø
M 32	1921760000	19 - 25 mm ø	M 20	1005220000	6.5 - 15 mm ø	10 - 15 mm ø
M 40	1921770000	26 - 32 mm ø	M 25	1005230000	9 - 19 mm ø	14 - 20 mm ø
			M 32	1005240000	17 - 27 mm ø	18 - 27 mm ø

Sealing Washer	Blanking Plug - Plastic	Blanking Plug - Brass
Polyethylene material for use with cable glands and plugs.	Plastic Polyamide. IP54 as standard. IP66 with sealing washer added	Brass Nickel Plated. IP68 with sealing washer added.



Thread	Order No.	Thread	Order No.	Thread	Order No.
M 20	1777940000	M 20	1776910000	M 20	1777740000
M 25	1777950000	M 25	1776900000	M 25	1777750000
M 32	1777960000	M 32	1776940000	M 32	1777760000
M 40	1777970000	M 40	1776950000	M 40	1777770000
M 50	1777980000	M 50	1776960000	M 50	1777780000

Separable Cable Glands

Cabtite KVT

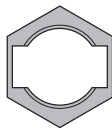
KVT's are used to feed through prefabricated cables when space is tight or only a few cables are required. As is the case with its big brother, the KEL, this product is also a two-piece system for easy assembly using the same cable grommets.

The preassembled KVT32 can be used for hole diameters up to 35 mm, the KVT63 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



KEL 32



**Locknut for D-Sub 9
KGM-SUB-D9**



KEL 63-1

Technical Data

Material	Polyamide, Free from Halogens and Silicone
Class Protection	IP54, When the correct cable grommet is selected
Temperature Range	-5 °C ... 70 °C
UL 94 Flammability Rating	V0

Ordering Data

Type	Thread	For Grommet:		Qty	Order No. (White)	Order No. (Black)
		Small	Large			
IMC KVT 25	M 25 x 1.5	1	-	10	1826660000	1828260000
IMC KVT 32	M 32 x 1.5	1	-	10	1826670000	1828270000
IMC KVT 63-4	M 63 x 1.5	4	-	5	1828230000	1828280000
IMC KVT 63-1	M 63 x 1.5	-	1	5	1828240000	1828290000
Locknut for D-Sub 9						
KGM-SUB-D9	M 32 x 1.5			10	1828250000	1828300000

Note * IMC KCT 63 -x Types are supplied with a locknut

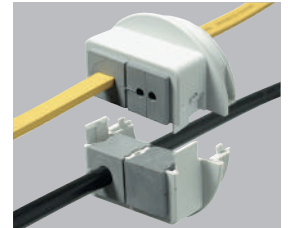
Operating Mode

1. The grommet is fitted around the cable.

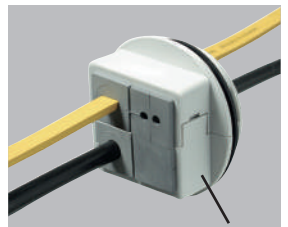
Important: Choose an appropriately sized grommet for the diameter of the cable!



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".



>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.

