

RockStar® Heavy Duty Connectors

A complete range of heavy-duty connectors

IP 65 Aluminum Enclosures



IP 68 EMC Aluminum Enclosures



Fixed Pole Connectors



RockStar® High Power 250 / 550



Crimped Contacts



RockStar® ModuPlug Modular System



Agenda

01

HDC - Sizes

02

HDC - Inserts

03

HDC - Enclosures

04

HDC - ModuPlug









Guide

Ingress Protection (IP) Rating Guide










INGRESS PROTECTION (IP) RATINGS GUIDE



A digit of "0" for either solids or liquids indicates no protection.

SOLIDS

1		Protection against solid objects greater than 50mm.
2		Protection against solid objects greater than 12.5mm.
3		Protected against solid objects greater than 2.5mm.
4		Protected against solid objects greater than 1mm.
5		Dust Protected. Limited ingress of dust. Will not interfere with equipment.
6		Dust tight. No ingress of dust permitted.
X		Protection level not formally tested.

LIQUID

1		Protection against vertically falling droplets.
2		Protection against vertically falling droplets when tilted up to 15°.
3		Protection against spraying water up to an angle of 60°.
4		Protection against splashes of water from all angles.
5		Protection against low pressure jets of water from any angle.
6		Protection against high pressure jets of water.
7		Protection against water immersion between 15cm - 1m deep for 30 minutes.
8		Protection against permanent water submersion up to 3m.
9		Protection from close-range, powerful, high temperature water jets.
9K		The K on the rating denotes the products' specific degree of protection for use in road vehicles as per ISO 20653.
X		Protection level not formally tested.

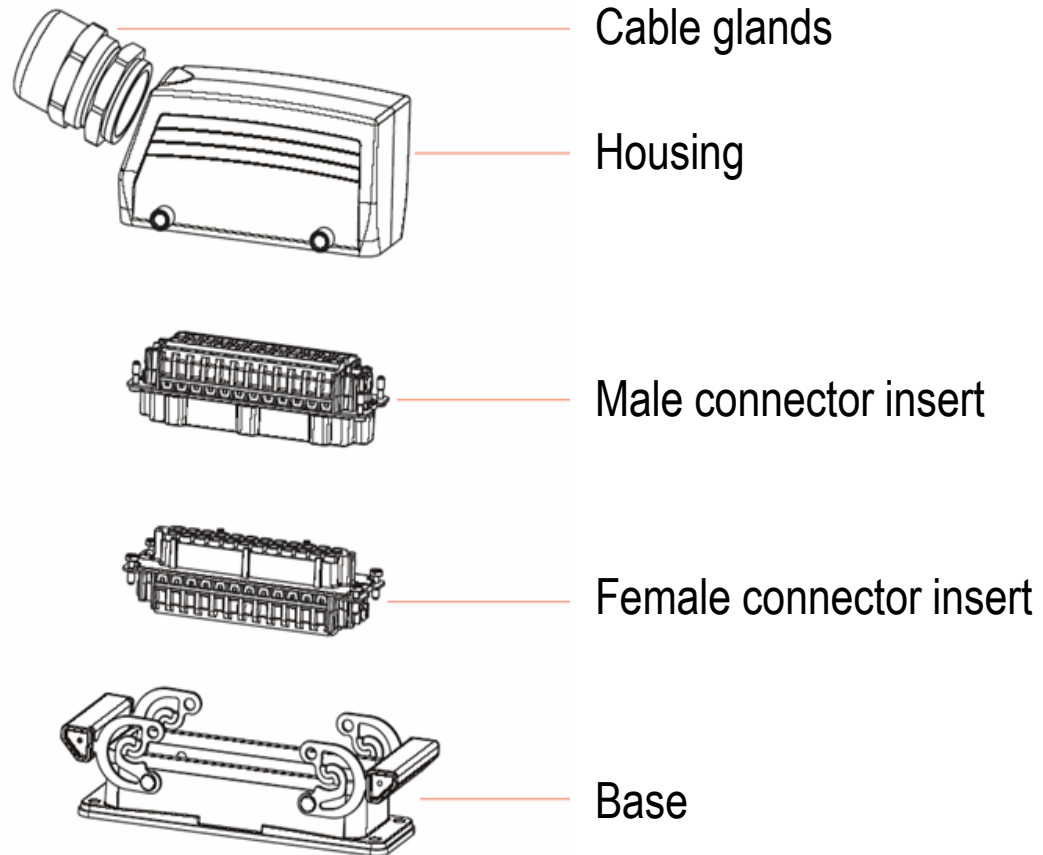
Ingress Protection — **IP68** =  + 
Dust tight. Water Submersion.

ORION FANS

orionfans.com

Blueprint RockStar® HDC

Heavy Duty Connectors



Blueprint RockStar® HDC

Understanding the HDC Sizes



Order No.: 2488590000
Type: HDC **16B** ABU N

All manufacturers of HDCs are using the same sizes and using that as the product name
➤ **Easy to cross competitors product**



Bulkhead mounted housing
Han **16B**-HBM-DL
Article. No: 09 30 016 0301



HC-STA-**B16**-BWD-ELC-AL - Housing

1411327
HEAVYCON B16 panel mounting base, with double locking l: gasket

Blueprint RockStar® HDC

Understanding the HDC Sizes

The housings **B** mentions the number of poles at the insert **HE** series

➤ **Easy to find appropriate housing and insert**



Order No.: 2488590000
Type: HDC **16B** ABU N



Order No.: 2666950000
Type: HDC **HE 16** FQT

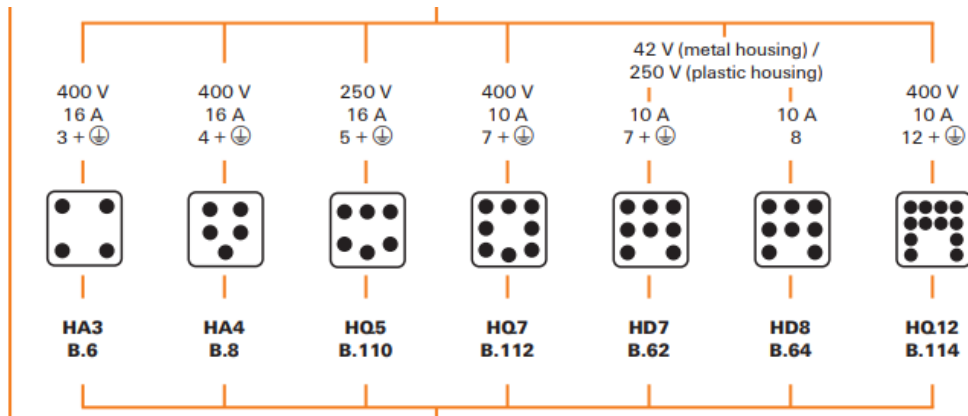
RockStar® Heavy Duty Connectors

HDC Sizes

Size

Competitor

1



Harting:

- **Han series**
 - Han A – 3A 3pin
 - Han A – 4A 4 pin
 - Han D – 8D 8 pin
 - Han D – 7D – 7 pin
 - Han Q – Q5 – 5 pin
 - Han Q – Q7 – 7 pin
 - Han Q – 12Q – 12 pin

Phoenix:

- **D7 Series (HC)**
 - Q02 – 2 pin
 - A03/Q03 – 3 pin
 - A04/Q04 – 4 pin
 - Q05 – 5 pin
 - Q07/D7 – 7 pin
 - D8 – 8 pin
 - Q12 – 12 pin

RockStar® Heavy Duty Connectors

HDC Sizes

Size

2



250 V
16 A
10 + ⊕

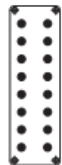
HA10
B.10



250 V
10 A
15 + ⊕

HD15
B.66

5



250 V
16 A
16 + ⊕

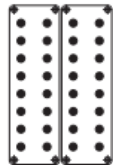
HA16
B.12



250 V
10 A
25 + ⊕

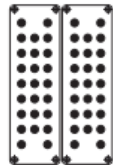
HD25
B.68

7



250 V
16 A
32 + ⊕

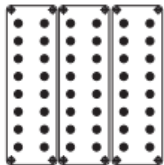
HA32
B.14



250 V
10 A
50 + ⊕

HD50
B.72

9



250 V
16 A
48 + ⊕

HA48
B.16

Competitor

Harting:

Size 2

- Han (10A/15D)
 - Han A/E – 10A / E10
 - Han D – 15

Size 5 / 7 / 9

- HAN (16A)
 - Han A – 16A
 - Han D – 25

Phoenix:

Size 2

- D15 Series (HC)
 - HC-A10
 - HC-D 15



























Size 5 / 7 / 9

- D25 Series (HC)
 - HC-A16
 - HC-D 25

RockStar® Heavy Duty Connectors

HDC Sizes

Size

3	 500 V 24 A 6 + ⊕ HE6 B.20	 500 V 16 A 10 + ⊕ HEE10 B.44		 250 V 10 A 24 + ⊕ HDD24 B.82		
4	 500 V 16 A 10 + ⊕ HE10 B.22	 500 V 16 A 18 + ⊕ HEE18 B.46		 250 V 10 A 42 + ⊕ HDD42 B.84	 830 V 20 A 3 + 2 + ⊕ HVE3 B.96	
6	 500 V 16 A 16 + ⊕ HE16 B.24	 500 V 16 A 32 + ⊕ HEE32 B.48	 500 V 16 A 40 + ⊕ HEEE40 B.56	 250 V 10 A 40 + ⊕ HD40 B.70	 250 V 10 A 72 + ⊕ HDD72 B.86	 830 V 20 A 6 + 2 + ⊕ HVE6 B.98
8	 500 V 16 A 24 + ⊕ HE24 B.26	 500 V 16 A 46 + ⊕ HEE46 B.50	 500 V 16 A 64 + ⊕ HEEE64 B.58	 250 V 10 A 64 + ⊕ HD64 B.74	 250 V 10 A 108 + ⊕ HDD108 B.88	 830 V 20 A 10 + 2 + ⊕ HVE10 B.100
10	 500 V 16 A 32 + ⊕ HE32 B.28	 500 V 16 A 64 + ⊕ HEE64 B.58		 250 V 10 A 80 + ⊕ HD80 B.76	 250 V 10 A 144 + ⊕ HDD144 B.90	
12	 500 V 16 A 48 + ⊕ HE48 B.30			 250 V 10 A 128 + ⊕ HD128 B.78	 250 V 10 A 216 + ⊕ HDD216 B.92	

Competitor

Harting:

Size 3

- Han (6B)
 - Han E / ES – 06
 - Han EE – 10
 - Han DD - 24

Size 4

- HAN (10B)
 - Han A / E / ES – E10 / ES10
 - Han EE – 18
 - Han DD – 42DD

Phoenix:

Size 3

- B6 Series (HC)
 - HC-B06 / B 6
 - HC-BB10
 - HC-DD24



























Size 4

- B10 Series (HC)
 - HC-B10
 - HC-BB18
 - HC-DD42

RockStar® Heavy Duty Connectors

HDC Sizes

Size

3	 500 V 24 A 6 + ⊕ HE6 B.20	 500 V 16 A 10 + ⊕ HEE10 B.44		 250 V 10 A 24 + ⊕ HDD24 B.82		
4	 500 V 16 A 10 + ⊕ HE10 B.22	 500 V 16 A 18 + ⊕ HEE18 B.46		 250 V 10 A 42 + ⊕ HDD42 B.84	 830 V 20 A 3 + 2 + ⊕ HVE3 B.96	
6	 500 V 16 A 16 + ⊕ HE16 B.24	 500 V 16 A 32 + ⊕ HEE32 B.48	 500 V 16 A 40 + ⊕ HEEE40 B.56	 250 V 10 A 40 + ⊕ HD40 B.70	 250 V 10 A 72 + ⊕ HDD72 B.86	 830 V 20 A 6 + 2 + ⊕ HVE6 B.98
8	 500 V 16 A 24 + ⊕ HE24 B.26	 500 V 16 A 46 + ⊕ HEE46 B.50	 500 V 16 A 64 + ⊕ HEEE64 B.58	 250 V 10 A 64 + ⊕ HD64 B.74	 250 V 10 A 108 + ⊕ HDD108 B.88	 830 V 20 A 10 + 2 + ⊕ HVE10 B.100
10	 500 V 16 A 32 + ⊕ HE32 B.28	 500 V 16 A 64 + ⊕ HEE64 B.58		 250 V 10 A 80 + ⊕ HD80 B.76	 250 V 10 A 144 + ⊕ HDD144 B.90	
12	 500 V 16 A 48 + ⊕ HE48 B.30			 250 V 10 A 128 + ⊕ HD128 B.78	 250 V 10 A 216 + ⊕ HDD216 B.92	

Competitor

Harting:

Size 6

- Han (16B)
 - Han A / E / ES – E 16 / ES 16
 - Han EE - 32
 - Han D – D 40
 - Han DD – 72DD

Size 8

- HAN (24B)
 - Han E / ES – 24 / 24 ES
 - Han EE – 46
 - Han EEE – 64 EEE
 - Han D – 64
 - Han DD – 108DD

Phoenix:

Size 6

- B16 Series (HC)
 - HC-B16
 - HC-BB32
 - HC-D 40
 - HC-BBB 40



























Size 8

- B24 Series (HC)
 - HC-B24
 - HC-BB46
 - HC- D 64
 - HC-BBB 64
 - HC-DD108

RockStar® Heavy Duty Connectors

HDC Sizes

Size

3	 500 V 24 A 6 + ⊕ HE6 B.20	 500 V 16 A 10 + ⊕ HEE10 B.44	 250 V 10 A 24 + ⊕ HDD24 B.82			
4	 500 V 16 A 10 + ⊕ HE10 B.22	 500 V 16 A 18 + ⊕ HEE18 B.46	 250 V 10 A 42 + ⊕ HDD42 B.84	 830 V 20 A 3 + 2 + ⊕ HVE3 B.96		
6	 500 V 16 A 16 + ⊕ HE16 B.24	 500 V 16 A 32 + ⊕ HEE32 B.48	 500 V 16 A 40 + ⊕ HEE40 B.56	 250 V 10 A 40 + ⊕ HD40 B.70	 250 V 10 A 72 + ⊕ HDD72 B.86	 830 V 20 A 6 + 2 + ⊕ HVE6 B.98
8	 500 V 16 A 24 + ⊕ HE24 B.26	 500 V 16 A 46 + ⊕ HEE46 B.50	 500 V 16 A 64 + ⊕ HEE64 B.58	 250 V 10 A 64 + ⊕ HD64 B.74	 250 V 10 A 108 + ⊕ HDD108 B.88	 830 V 20 A 10 + 2 + ⊕ HVE10 B.100
10	 500 V 16 A 32 + ⊕ HE32 B.28	 500 V 16 A 64 + ⊕ HEE64 B.58	 250 V 10 A 80 + ⊕ HD80 B.76	 250 V 10 A 144 + ⊕ HDD144 B.90		
12	 500 V 16 A 48 + ⊕ HE48 B.30	 250 V 10 A 128 + ⊕ HD128 B.78	 250 V 10 A 216 + ⊕ HDD216 B.92			

Competitor

Harting:

Size 10

- Han (32B)
 - Han E – 16E (17-32)
 - Han EE – 32 EE (33-64)
 - Han DD – 72DD (73-144)

Size 12

- HAN (48B)
 - Han E – 24E (25-48)
 - Han DD – 108DD (109-216)

Phoenix:

Size 10

- B16 Series (HC)
 - HC-BB32

Size 12

- B24 Series (HC)
 - HC-B24
 - HC- D 64
 - HC-BBB 64
 - HC-DD108

Agenda

01

HDC - Sizes

02

HDC - Inserts

03

HDC - Enclosures

04

HDC - ModuPlug



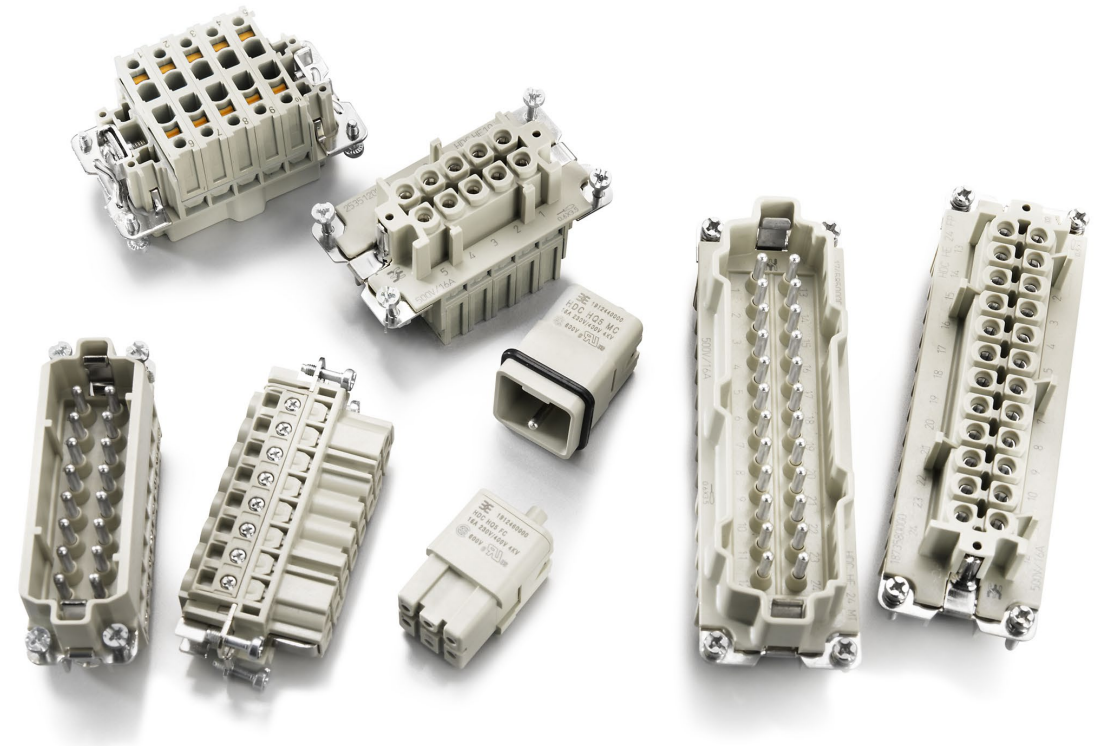
Product range:

Fixed Pole Inserts

A heavy-duty connector consists of a connector insert and its protective housing. The insert is therefore the heart of the heavy-duty connector. It is responsible for electrical functioning.

Connector inserts from Weidmüller are made from high-quality insulation materials, which allow secure transmission of high voltages in a tight space. Moreover, we use only a single type of plastic in our entire product line. This plastic is UL listed and suitable for railway applications.

This allows unlimited worldwide use of the RockStar® connector.

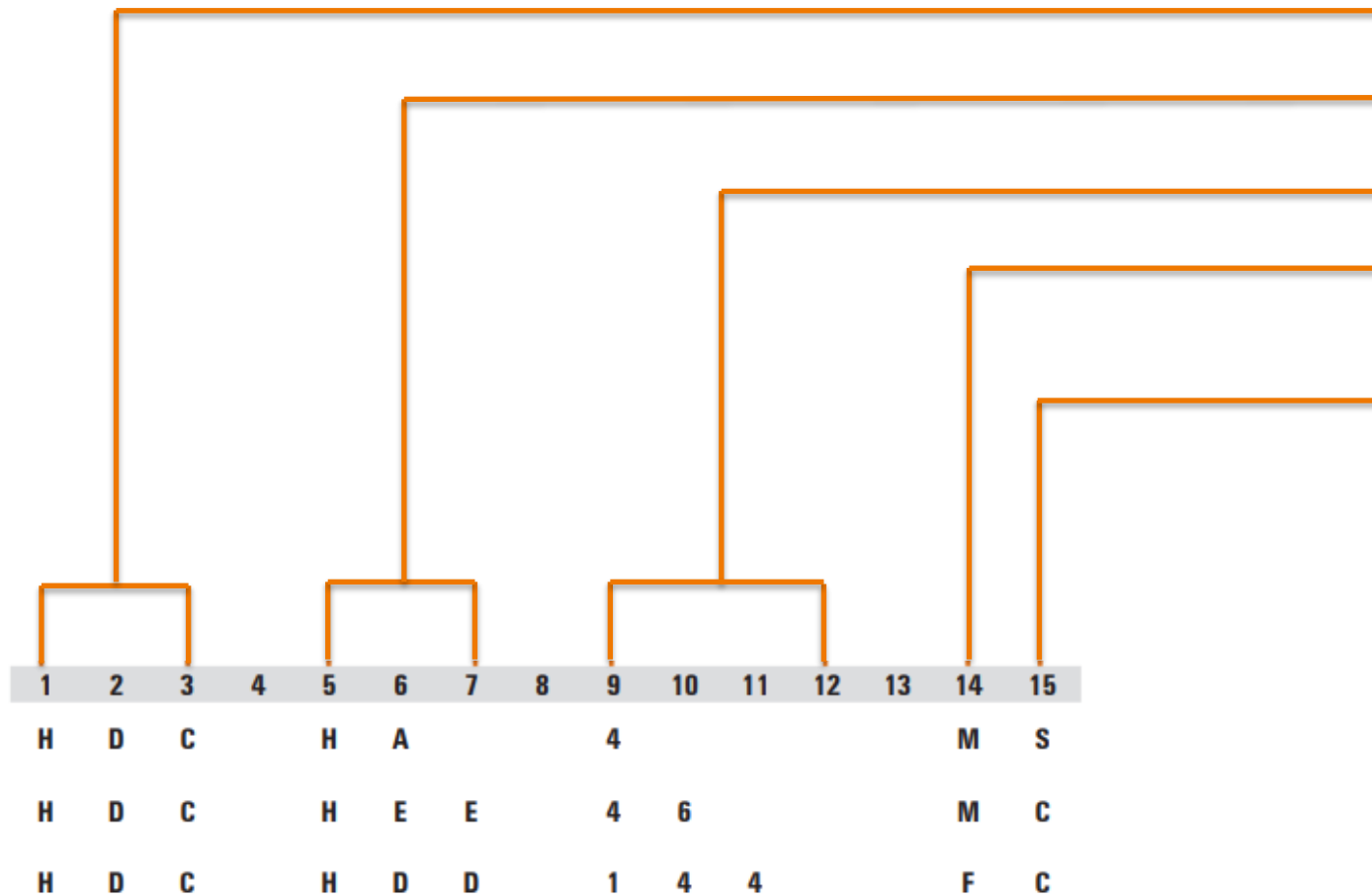


Size: 1 - 12

Connection Types: SNAP IN, PUSH IN, Screw, Axial Screw, Tension Clamp, Crimp

RockStar® Heavy Duty Connectors

Fixed Pole Inserts Part Number



HDC – Name of product line

Type of insert

Number of Poles

F – Female

M - Male

S – Screw Connection

T – Tension Clamp Connection

P – Push-In Connection

C – Crimp Connection

QT – Snap-In Connection

RockStar® Heavy Duty Connectors

Inserts – Fixed Pole



HA Series - 16A, 250V, 3 - 48 poles



HD Series - 10A, 250V, 7 - 128 poles



HDD Series - 10A, 250V, 24 - 216 poles



HE Series - 16A, 500V, 6 - 48 poles



HEE Series - 16A, 500V, 10 - 64 poles



HEEE series - 16A, 500V, 40 - 64 poles



HQ Series - 10A - 40A, 250V - 690V, 5 - 17 poles



HSB Series - 35A, 400V, 6 poles



HVE Series - 20A, 830V, 5 - 12 poles



MixMate Series - 10A - 110A, 160V- 1000V, 4 - 42 poles



AOC Series (Anti-Open Circuit) - 40A, 500V, 6 poles

RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HA Series – 16A, 250V, 3-48 poles

The small and thin HA series can be used wherever space is limited

Available connection types:



Crimp connection



PUSH IN Connection



Screw connection



Tension clamp connection

RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HD Series – 10A, 250V, 7-128 poles

The HD range features a high density of contacts. It is thus optimally suited for signal processing.

The HD insert can be assembled with machined crimp contacts or fiber-optic contact.

Available connection type:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HDD Series – 10A, 250V, 24-216 poles

The HDD series with machined crimp contacts is designed for high pole counts in tight spaces. Users save installation space with the smaller design, without having to limit the number of poles.

The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades. Crimp contacts are not delivered with the inserts.

Available connection type:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HE Series – 16A, 500V, 6-48 poles

With the HE series, the user is free to choose the wire connection method. In addition to the proven tension-clamp connection, we can also deliver with a screw or crimp connection.

Weidmüller is also the first manufacturer to supply this series with the Quick Termination and PUSH IN wire connection.

Rated voltage: **500 V**

Rated voltage acc. to UL/CSA: **600 V AC/DC**

Available connection types:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HEE Series – 16A, 500V, 10-64 poles

The HEE series features high-density contacts and is designed based on the established HE inserts.

The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades. Crimp contacts are not delivered with the inserts.

Rated voltage: **500 V**

Rated voltage acc. to UL/CSA: **600 V AC/DC**

Available connection types:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HEEE Series – 16A, 500V, 40-64 poles

The HEE series features high-density contacts and is designed based on the established HE inserts.

The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades. Crimp contacts are not delivered with the inserts.

Available connection types:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HQ Series – 10A – 40A, 250V – 690V, 5-17 poles

The HQ series - big features in a compact design
The electrical values speak for themselves.

The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades. Crimp contacts are not delivered with the inserts.

Pole count: **5, 7, 8, 17, 4/2 (+PE)**

Rated current: **10 A, 16 A, 40/10 A**

Rated voltage: **250 / 400 / 500 V**

Nominal voltage acc. to UL/CSA: **600 V AC/DC**

Available connection types:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HSB Series – 35A, 400V, 6 poles

The HSB series enables you to carry 35A per contact simultaneously. Assembled with screw connections, for secure and reliable connections.

The wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring.

Number of poles: **6 - 12**

Rated current: **35 A**

Rated voltage: **400 V**

Available connection types:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

HVE Series – 20A, 830V, 5 - 12 poles

The HVE-series high-voltage inserts are equipped with two lagging contacts.

Weidmuller delivers this series with either screw or tension-clamp connection method.

Number of poles: **5 - 12**

Rated current: **23 A**

Rated voltage: **830 V**

Nominal voltage acc. to UL/CSA: **600 V AC/DC**

Available connection types:



RockStar® Heavy Duty Connectors

Inserts – Fixed Pole

MixMate Series – 10A – 110A, 160V – 1000V, 4 - 42 poles

The MixMate series of connectors can simultaneously transmit high rated currents and voltages as well as signals.

In addition to the crimp connection method with crimp contacts for the HX, HE and HD series, the screw and axial screw connections are available for securing the wire.

Available connection types:



Axial screw connection



Screw connection



Crimp connection

Agenda

01

HDC - Sizes

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04

HDC - ModuPlug



Product range:

IP65 Enclosures

A heavy-duty connector consists of a connector insert and its protective housing.

All of Weidmuller's RockStar® housings are made of high-quality die-cast aluminum. Thus, they are impact- and corrosion-resistant, yet compact and lightweight.

Their patented stainless-steel clips make them totally water- and dust-proof. They can be used under the harshest environmental conditions and are resistant to frost and vibrations.



Protection class: IP65 (connected)

Size: 1 - 12

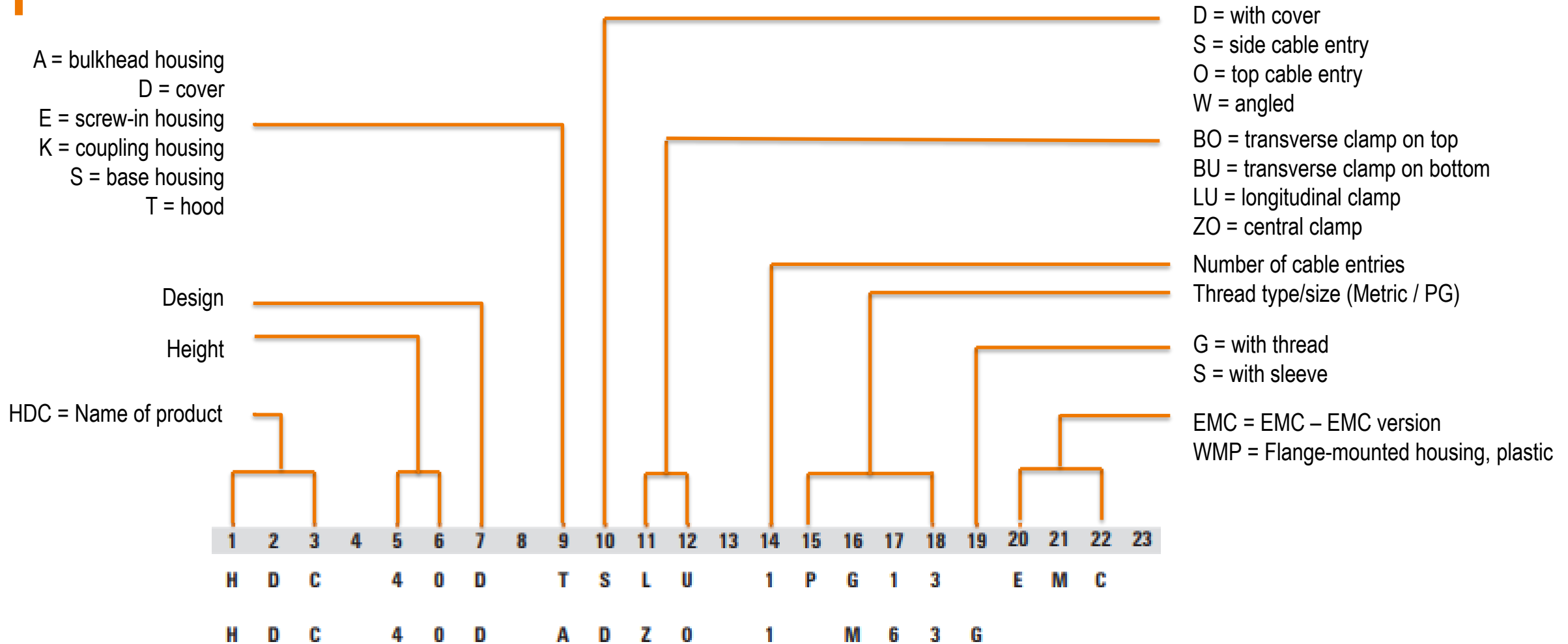
Cable entry: side, top

Cable entry dimensions: M16 - M50

Type of interlocking: lateral, end, central

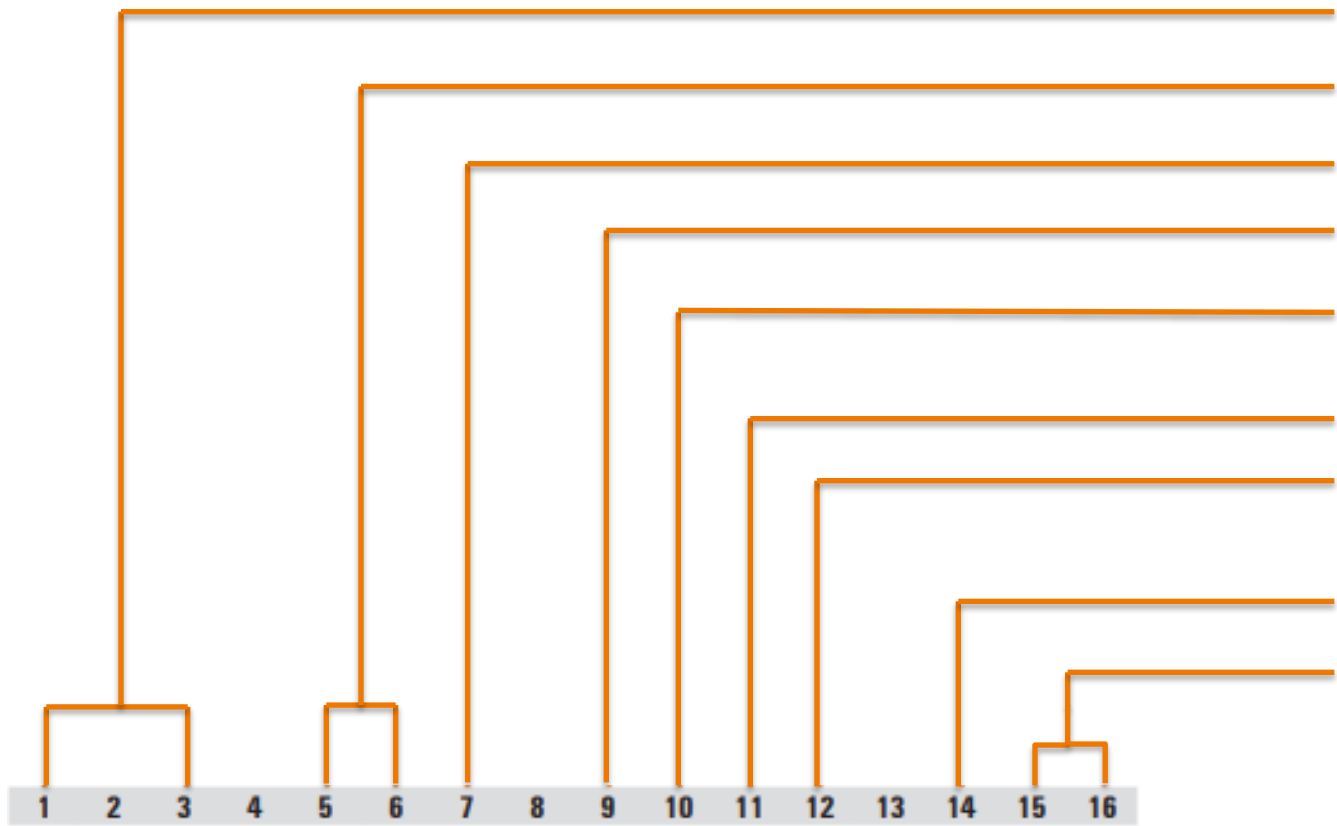
RockStar® Heavy Duty Connectors

IP65 Housing Part Number



RockStar® Heavy Duty Connectors

IP65 Cover Part Number



HDC = Name of product line

Height

B = Design

D = Cover

M = with gasket

O = without gasket

Gasket

L = End locking

Q = Side locking

Number

BO = Bolt

LB = Longitudinal clamp

QB = Transversal clamp

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H	D	C		O	4	A		D	M	D	L		2	B	O
H	D	C		1	O	A		D	O	D	L		1	L	B
H	D	C		1	O	B		D	M	D	Q		2	Q	B

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / NEMA 12, 4X Housing

- The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.
- The cleverly designed interlock system is manufactured from stainless steel. This guarantees a long lifespan with high resistance to corrosion and impact.
- The housing interlock system provides integrated safety. Our unique, patented spring system provides the housing interlock with a secure grip and prevents accidental opening.
- The laser marking allows for easy and quick identification.
- Each housing is permanently labelled with a laser marking so that each product can be quickly designated and positioned.
- Weidmuller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection.



RockStar® Heavy Duty Connectors

Housings

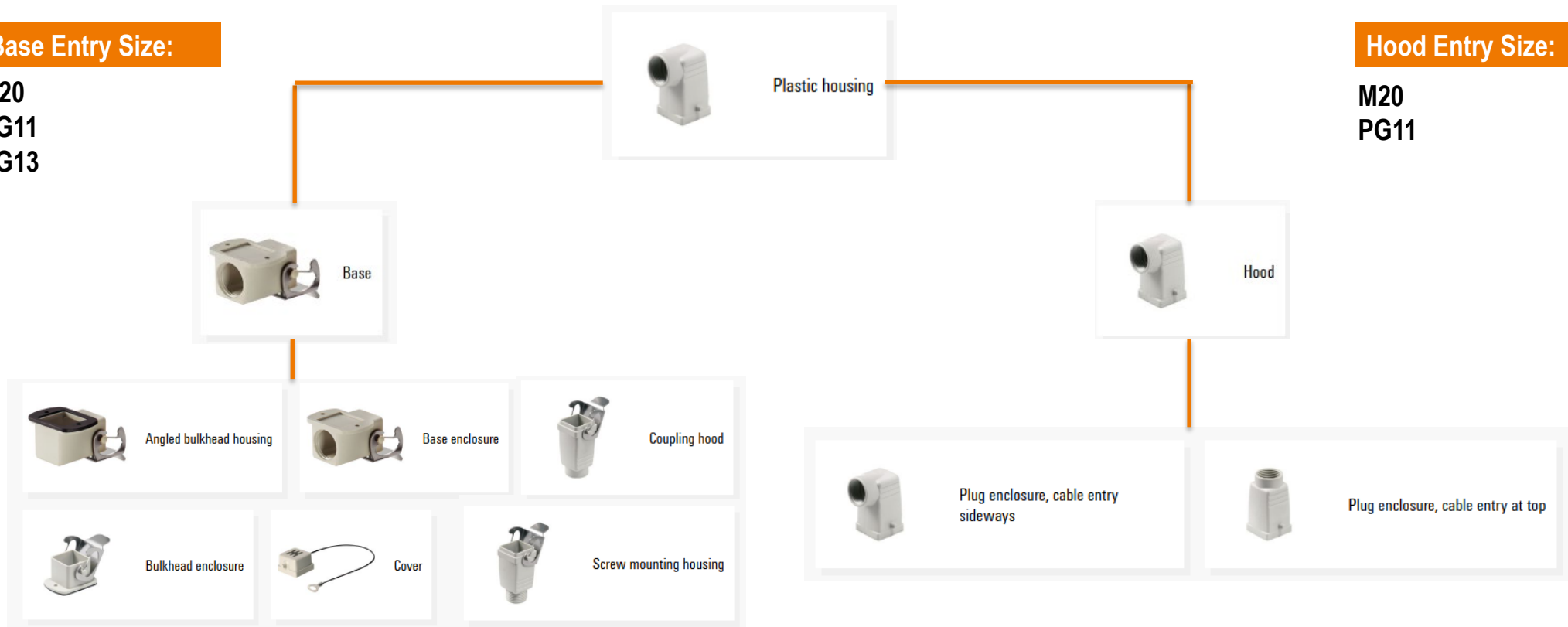
RockStar® IP65 / Size 1 (04A/07A)

Base Entry Size:

M20
PG11
PG13

Hood Entry Size:

M20
PG11



RockStar® Heavy Duty Connectors

Housings

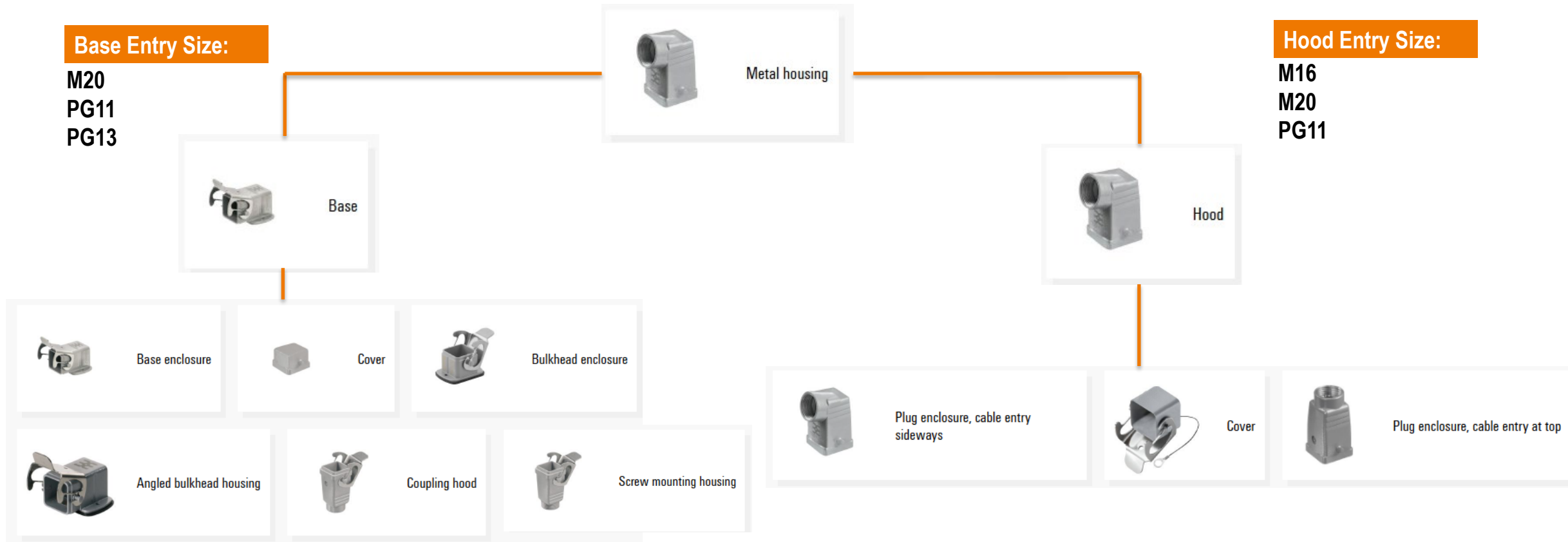
RockStar® IP65 / Size 1 (04A/07A)

Base Entry Size:

M20
PG11
PG13

Hood Entry Size:

M16
M20
PG11



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 2 (10A/15A)

Base Entry Size:

M20
M25
PG09
PG16
PG21



Hood Entry Size:

M20
M25
PG11
PG16
PG21



Single or dual entries



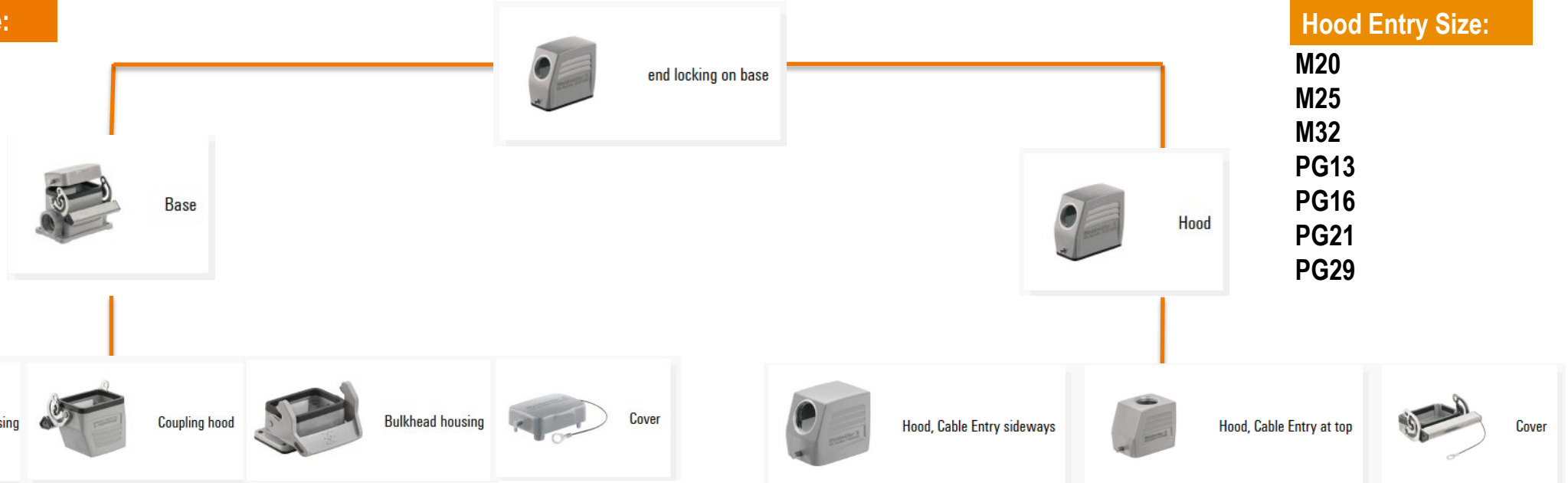
RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 3 (06B/16D)

Base Entry Size:

M20
M25
M32
PG16
PG21



Hood Entry Size:

M20
M25
M32
PG13
PG16
PG21
PG29

Single or dual entries

RockStar® Heavy Duty Connectors

Housings

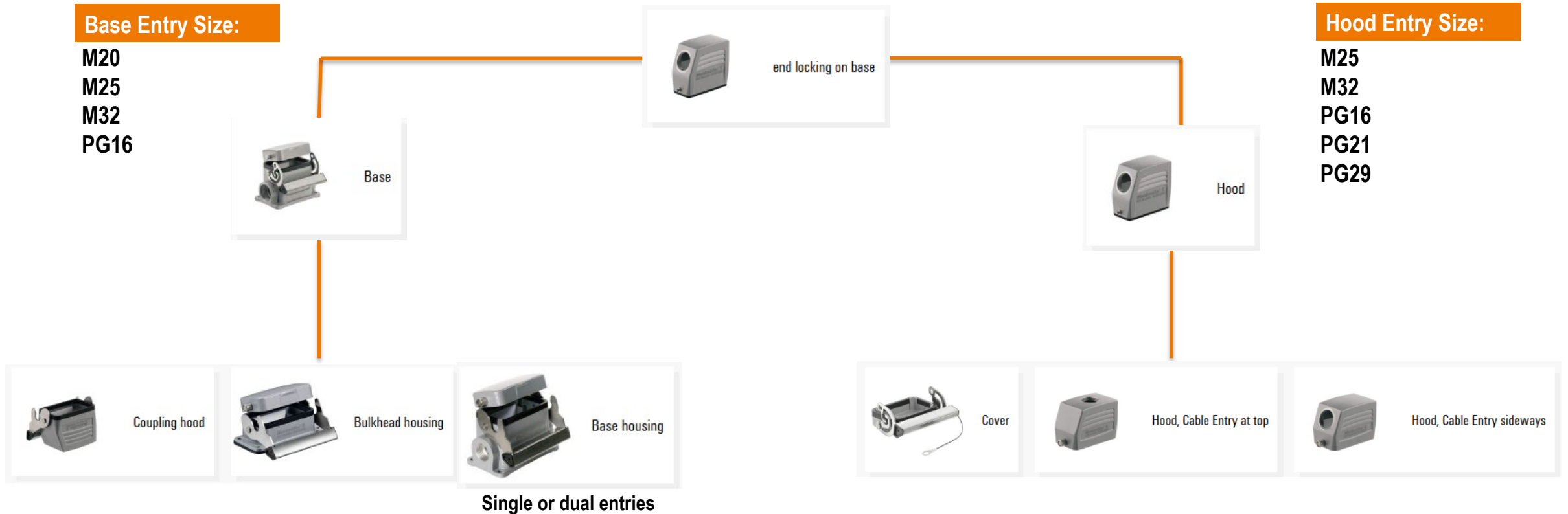
RockStar® IP65 / Size 4 (10B/24D)

Base Entry Size:

M20
M25
M32
PG16

Hood Entry Size:

M25
M32
PG16
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

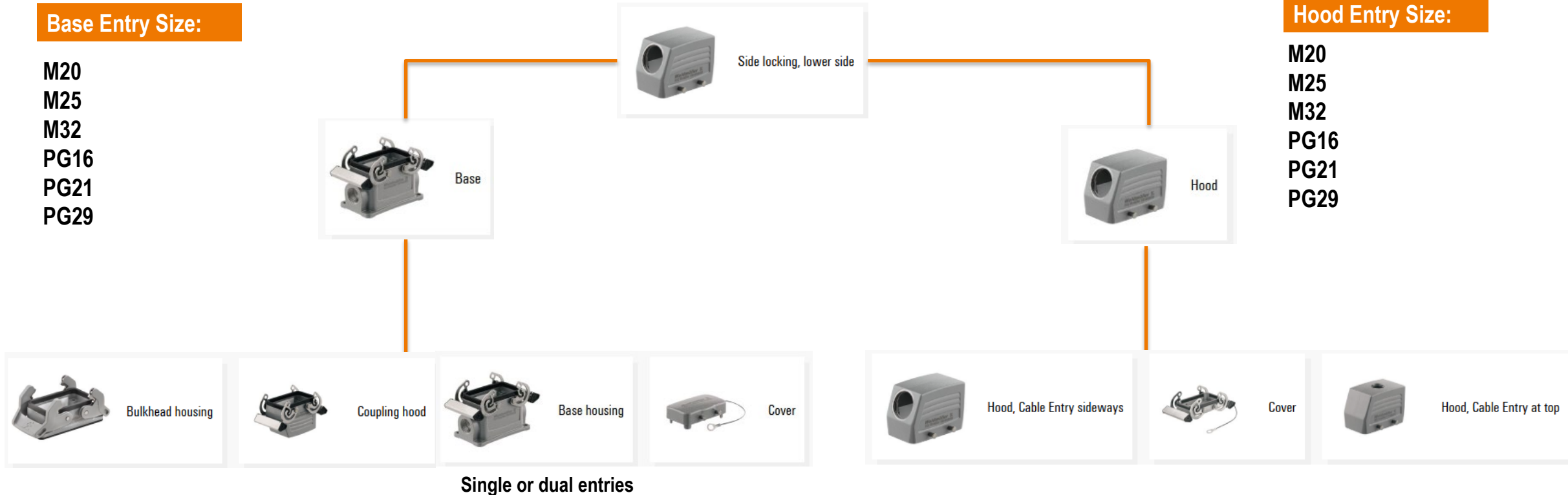
RockStar® IP65 / Size 4 (10B/24D)

Base Entry Size:

M20
M25
M32
PG16
PG21
PG29

Hood Entry Size:

M20
M25
M32
PG16
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

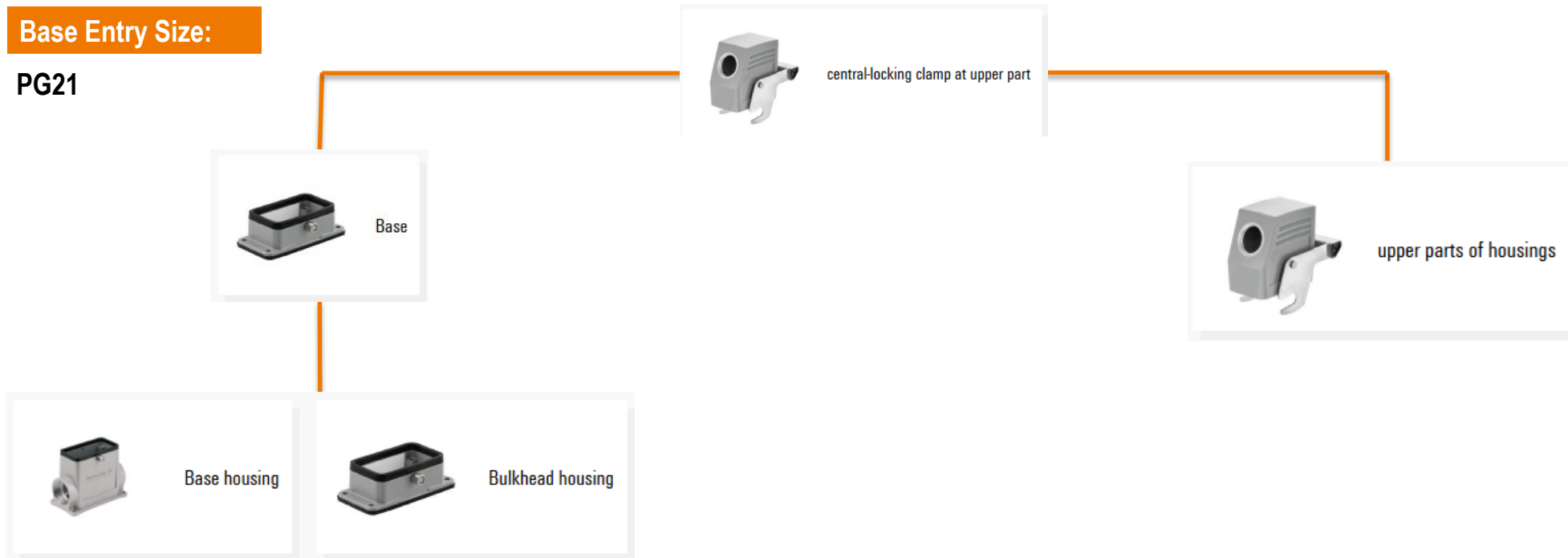
RockStar® IP65 / Size 4 (10B/24D)

Base Entry Size:

PG21

Hood Entry Size:

M25
PG21



RockStar® Heavy Duty Connectors

Housings

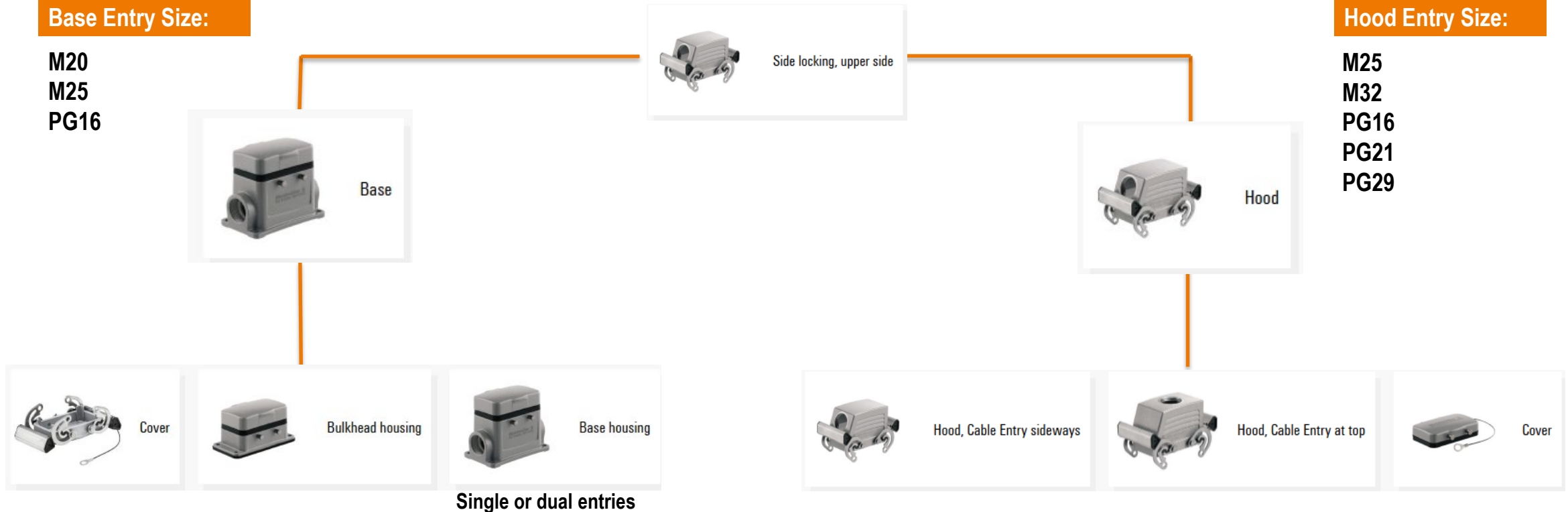
RockStar® IP65 / Size 4 (10B/24D)

Base Entry Size:

M20
M25
PG16

Hood Entry Size:

M25
M32
PG16
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 5 (16A/25A)

Base Entry Size:

M20
M25
PG16



Hood Entry Size:

M20
M25
M32
PG16
PG21



Bulkhead housing



Cover



Base housing



Coupling housing

Single or dual entries



Cover



Hood, Cable Entry sideways



Hood, Cable Entry at top

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 6 (16B/40D)

Base Entry Size:

M25
PG21



Hood Entry Size:

M25
M32
M40
PG21
PG29



Bulkhead housing



Cover



Base housing

Single or dual entries



Hood, Cable Entry sideways



Cover



Hood, Cable Entry at top

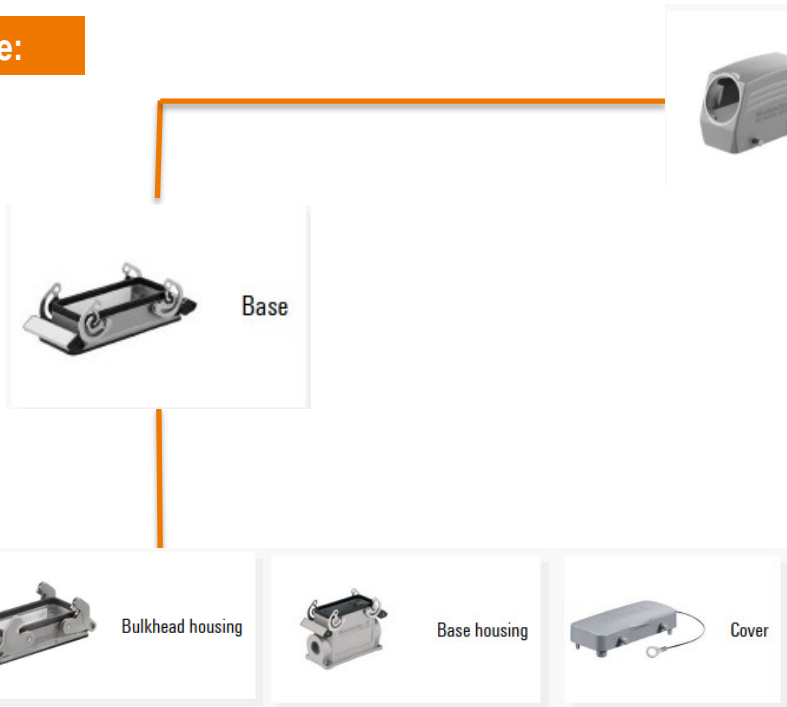
RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 6 (16B/40D)

Base Entry Size:

M25
M32
M40
PG21
PG29



Single or dual entries



Hood Entry Size:

M16
M25
M32
M40
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

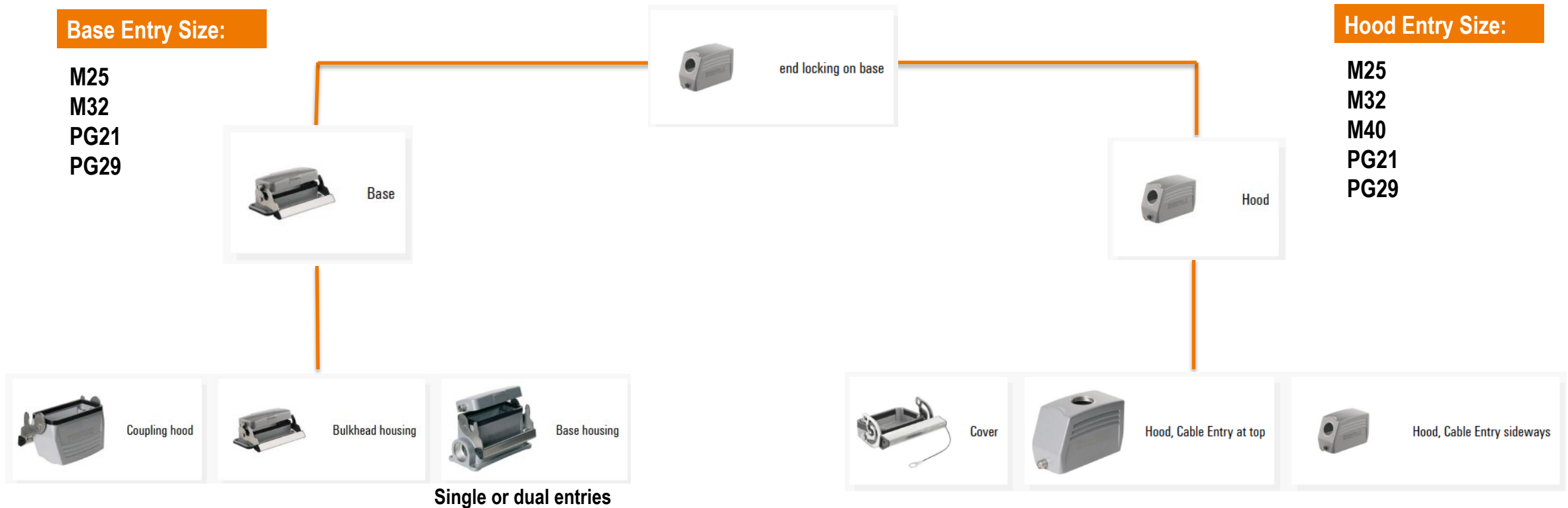
RockStar® IP65 / Size 6 (16B/40D)

Base Entry Size:

M25
M32
PG21
PG29

Hood Entry Size:

M25
M32
M40
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 7 (32A)

Base Entry Size:

M25
M32
PG21
PG29



Single or dual entries



Hood Entry Size:

M25
M32
M40
PG29



RockStar® Heavy Duty Connectors

Housings

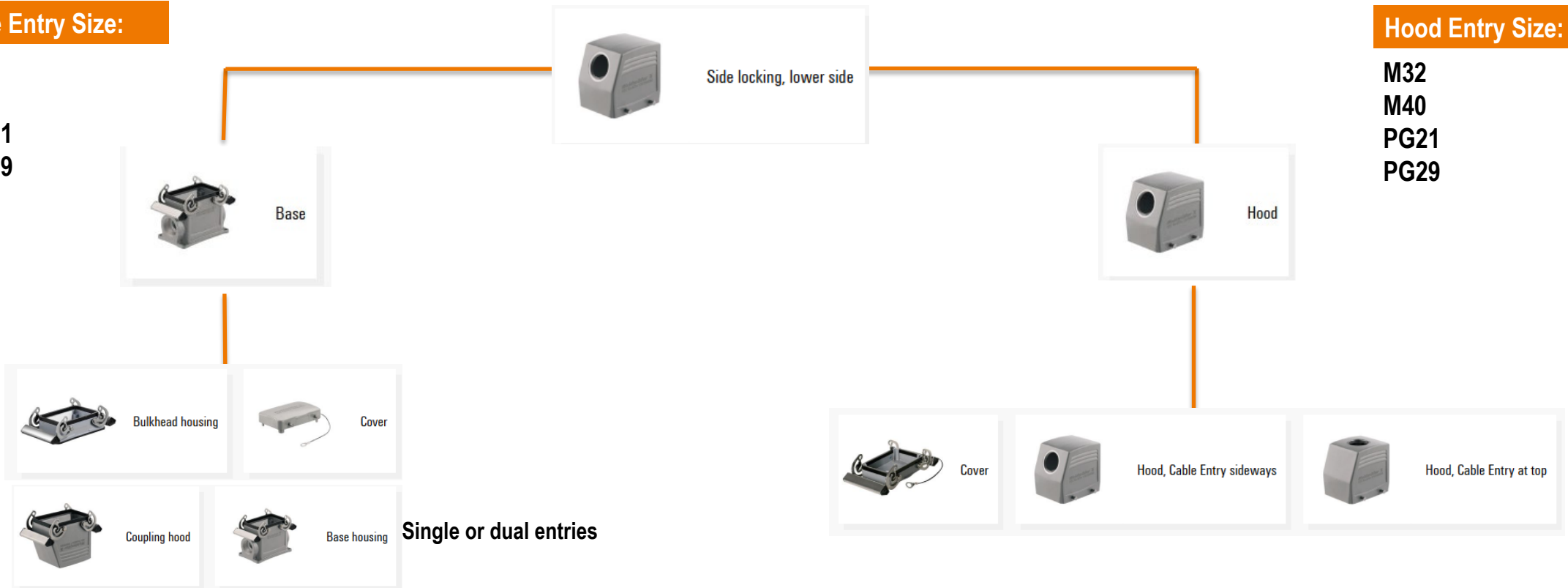
RockStar® IP65 / Size 7 (32A)

Base Entry Size:

M25
M32
PG21
PG29

Hood Entry Size:

M32
M40
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 8 (24B/64D)

Base Entry Size:

M32
PG21
PG29



Hood Entry Size:

M25
M32
M40
PG21
PG29



Single or dual entries



RockStar® Heavy Duty Connectors

Housings

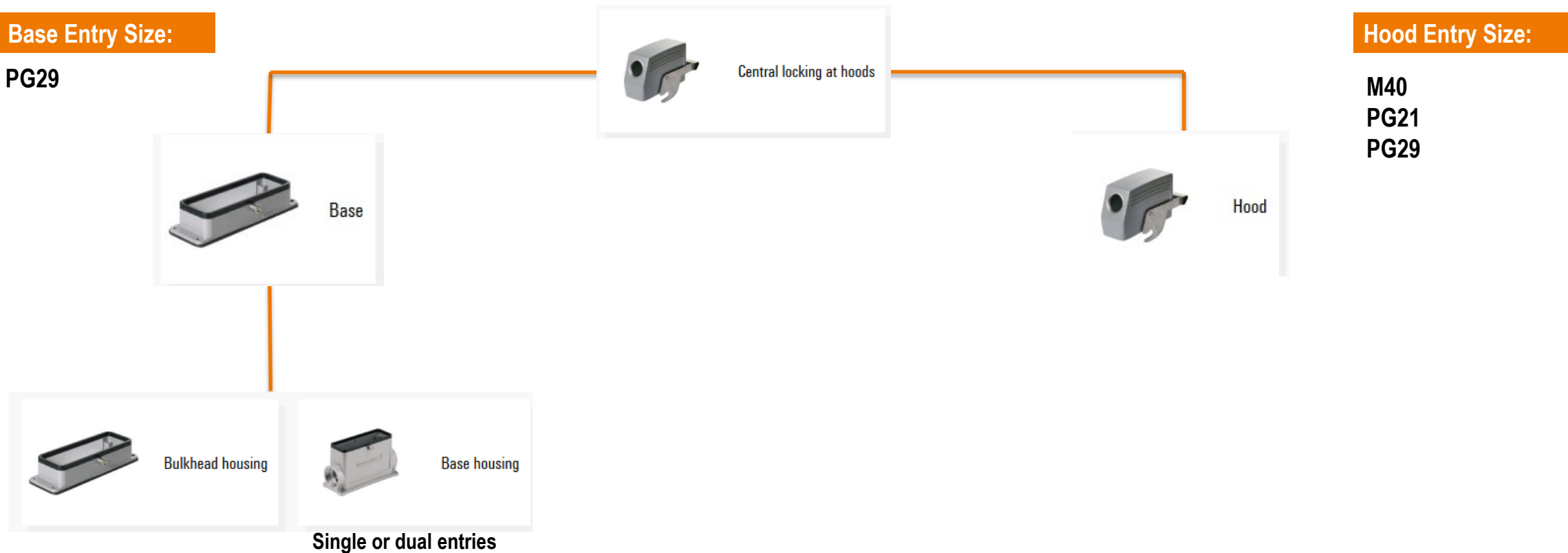
RockStar® IP65 / Size 8 (24B/64D)

Base Entry Size:

PG29

Hood Entry Size:

M40
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

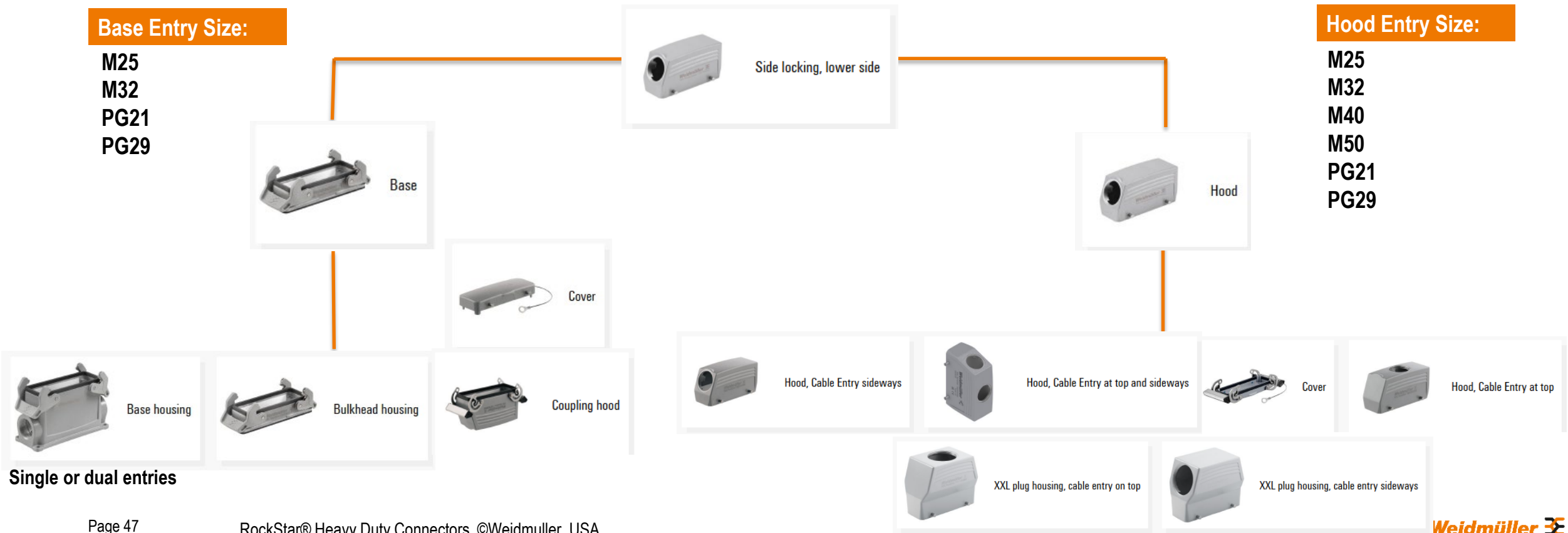
RockStar® IP65 / Size 8 (24B/64D)

Base Entry Size:

M25
M32
PG21
PG29

Hood Entry Size:

M25
M32
M40
M50
PG21
PG29



Single or dual entries

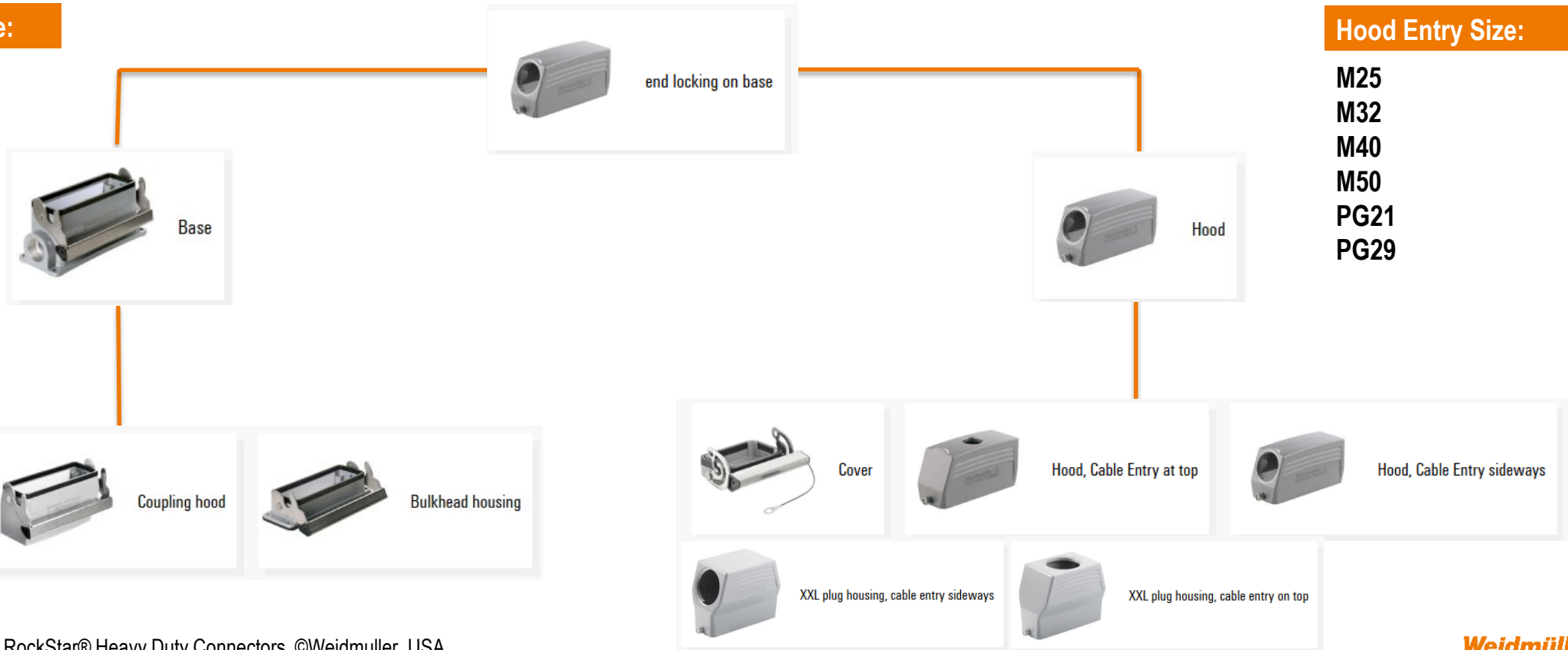
RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 8 (24B/64D)

Base Entry Size:

M25
M32
PG21
PG29



Hood Entry Size:

M25
M32
M40
M50
PG21
PG29

Single or dual entries

RockStar® Heavy Duty Connectors

Housings

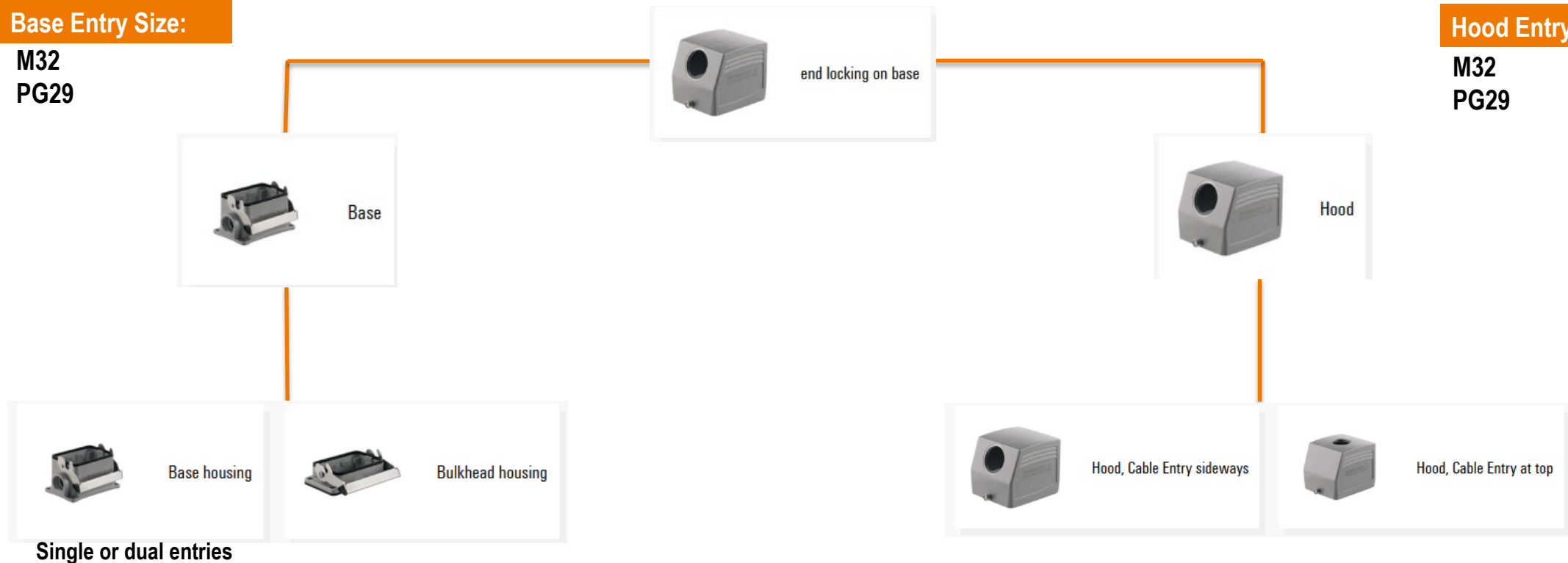
RockStar® IP65 / Size 9 (48A)

Base Entry Size:

M32
PG29

Hood Entry Size:

M32
PG29



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 10 (32B)

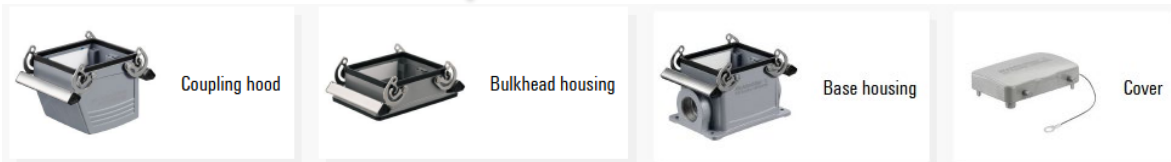
Base Entry Size:

M25
M32
M40
PG29
PG36



Hood Entry Size:

M32
M40
M50
PG29



Single or dual entries



RockStar® Heavy Duty Connectors

Housings

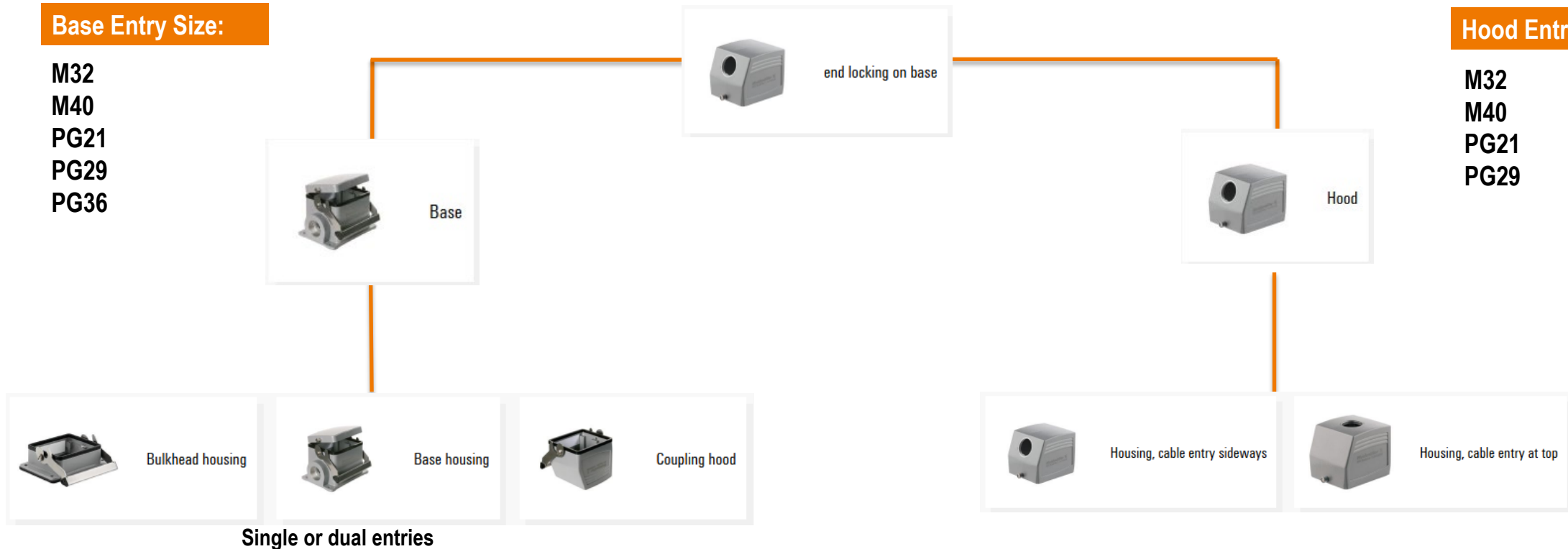
RockStar® IP65 / Size 10 (32B)

Base Entry Size:

M32
M40
PG21
PG29
PG36

Hood Entry Size:

M32
M40
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 10 (32B)



Hood Entry Size:

M32

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size 12 (48B)

Base Entry Size:

M32
M40
PG29



Hood Entry Size:

M32
M40
M50
M63
PG29
PG36
PG42



Single or dual entries



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 / Size HQ



RockStar® Heavy Duty Connectors

Housings

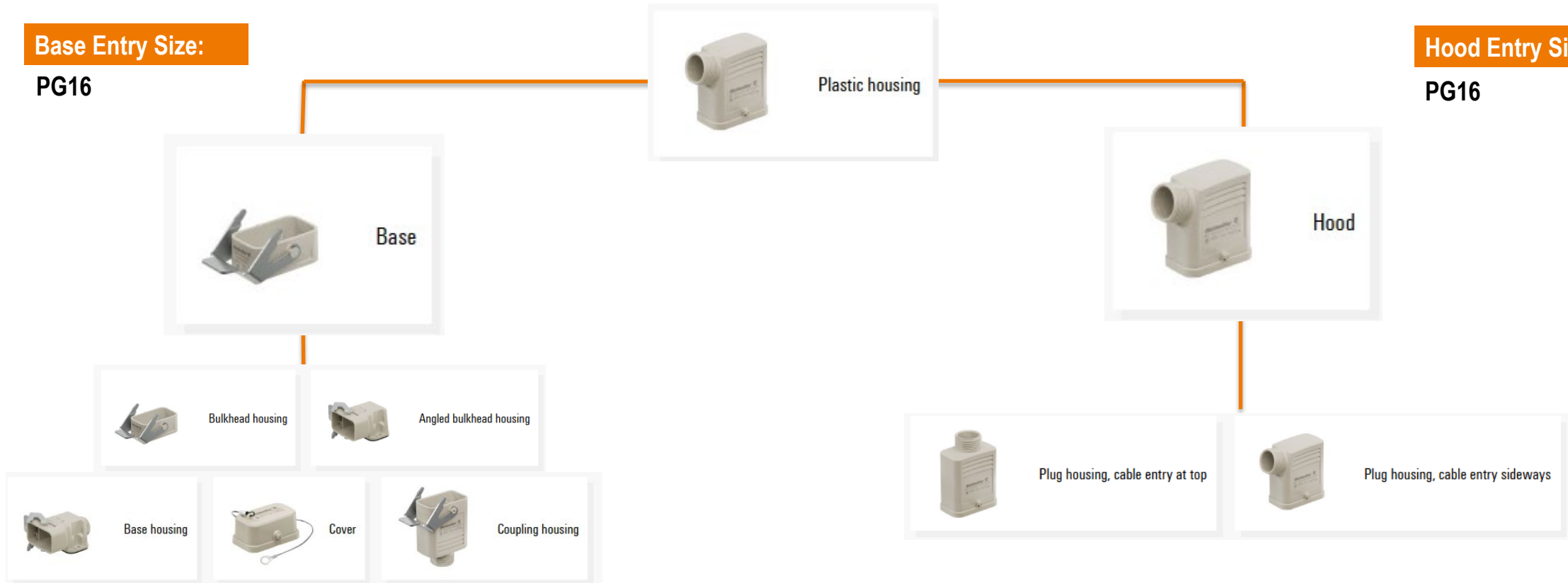
RockStar® IP65 / Size HQ

Base Entry Size:

PG16

Hood Entry Size:

PG16



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 Plastic Housing

Plastic enclosures are particularly suitable for applications where the resistance of metals is not sufficient. In addition, the enclosures shown here are lighter and slightly cheaper than standard aluminum enclosures. It can therefore make sense to use plastic enclosures in applications where the materials do not need to be as robust. The tightness is still IP65.



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 Plastic / Size 3 (06B/16D)



Hood Entry Size:

M32

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 Plastic / Size 4 (10B/24D)



Hood Entry Size:

M32

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 Plastic / Size 6 (16B/40D)



Hood Entry Size:

M32

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 Plastic / Size 8 (24B/64D)



Hood Entry Size:

M32
M50

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 EMC

The new Weidmuller RockStar® IP65 EMV enclosures are ideally suited for use in the harshest environmental conditions and provide protection against electromagnetic interference. A heavy-duty connector consists of a connector insert and its protective housing. The new plastic straps are easy to lock and can be replaced at any time. All Weidmuller RockStar® enclosures are made of high-quality die-cast aluminum. This makes them impact- and corrosion-resistant, yet compact and lightweight.



Size 3 (06B/16D)



Size 4 (10B/24D)



Size 6 (16B/40D)



Size 8 (24B/64D)

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 EMC / Size 3 (06B/16D)

Base



Hood



Hood Entry Size:

M32

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 EMC / Size 4 (10B/24D)

Base



Hood



Hood Entry Size:
M32



RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 EMC / Size 6 (16B/40D)

Base



Hood



Hood Entry Size:

M40

RockStar® Heavy Duty Connectors

Housings

RockStar® IP65 EMC / Size 8 (24B/64D)

Base



Hood



Hood Entry Size:

M40

RockStar® Heavy Duty Connectors

IP68 Housing Part Number

The new RockStar® enclosures are resistant to seawater and offer a high degree of shock resistance, meet IP 68 and IP 69K, and have been developed for use under extreme environmental conditions and designed for the high vibration requirements acc. to DIN EN 61373 cat. 2 (bogie). As such, this housing family is ideally suited for fault- and maintenance-free operation of heavy-duty connectors in transport and traffic engineering as well as in power engineering and in applications with extreme requirements. During development, measures were also implemented to make the enclosures extremely EMC-resistant.

Protection class: IP68 (connected)

Size: 1 - 8

Cable entry: side, top

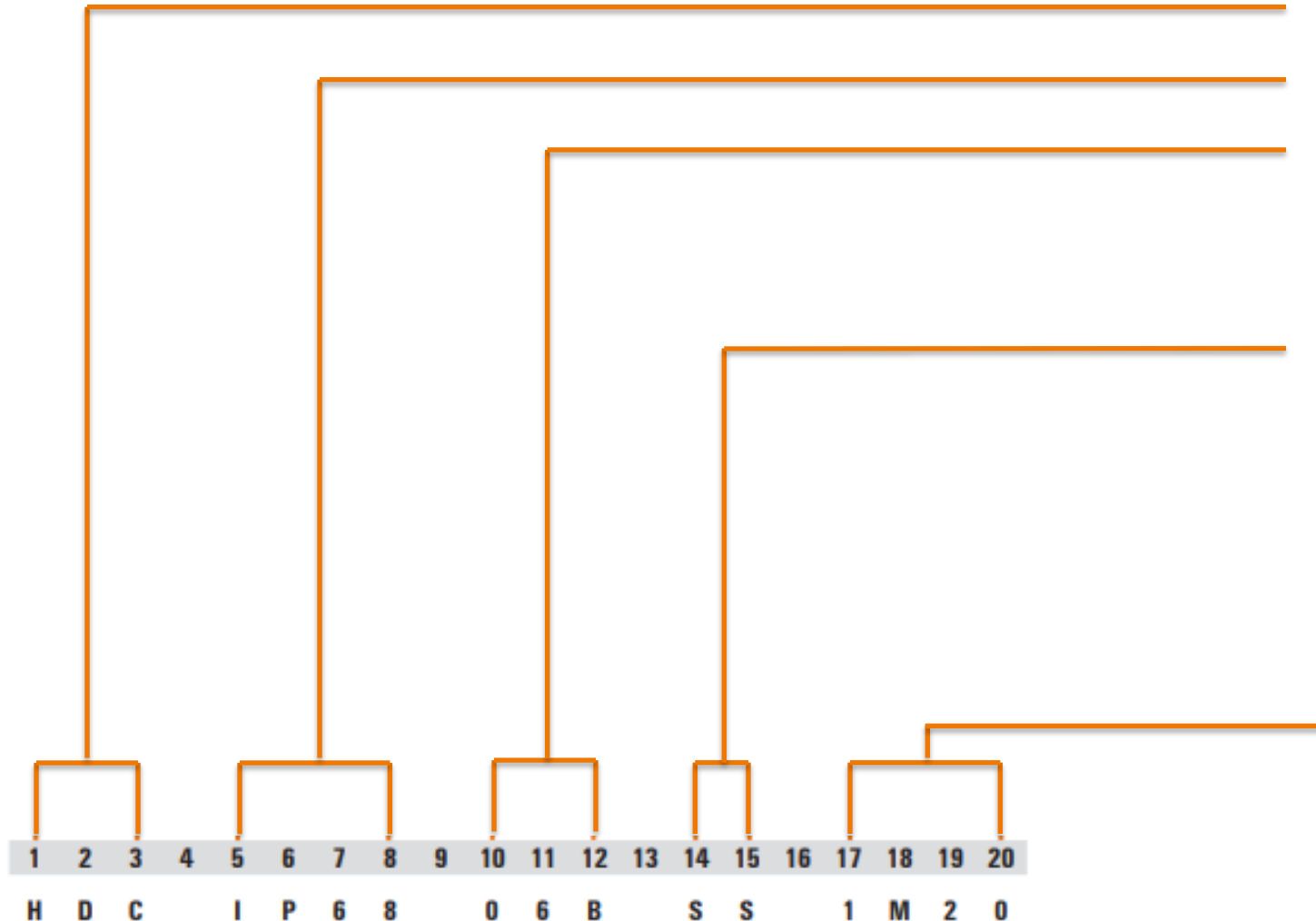
Cable entry dimensions: M20 - M50

Type of interlocking: Screw



RockStar® Heavy Duty Connectors

IP68 Housing Part Number



HDC = Name of product line

IP68 = IP Rating

06B = HDC size

10B = HDC size

16B = HDC size

24B = HDC size

Version:

SS = Base housing

AS = Bulkhead housing

AWS = Bulkhead housing, angled

ADS = Adapter to mount bulkhead at an angle

TOS = Plug housing, cable outlet at top

TSS = Plug housing, cable outlet sideways

Frame = Counter-frame

Cover = Cover

Number and size of the cable entry holes

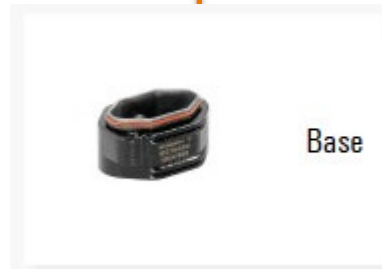
RockStar® Heavy Duty Connectors

Housings

RockStar® IP68 / Size 1 (04A)

Base Entry Size:

M20
M25



Hood Entry Size:

M20
M25
PG13



Adapter



Angled bulkhead housing



Bulkhead housing



Cover

RockStar® Heavy Duty Connectors

Housings

RockStar® IP68 / Size 3 (06B)

Base Entry Size:

M20
M25
M32



Hood Entry Size:

M20
M25
M32
M40
PG21



Bulkhead housing



Base housing



Cover



Plug housing, cable entry at top



Plug housing, cable entry sideways

RockStar® Heavy Duty Connectors

Housings

RockStar® IP68 / Size 4 (10B)

Base Entry Size:

M20
M32
PG29



Hood Entry Size:

M20
M25
M32
PG16
PG21
PG29



RockStar® Heavy Duty Connectors

Housings

RockStar® IP68 / Size 6 (16B)

Base Entry Size:

M32
M40
PG36



Hood Entry Size:

M25
M32
M40
M50
PG21
PG29
PG36



RockStar® Heavy Duty Connectors

Housings

RockStar® IP68 / Size 8 (24B)

Base Entry Size:

M40
PG36



Hood Entry Size:

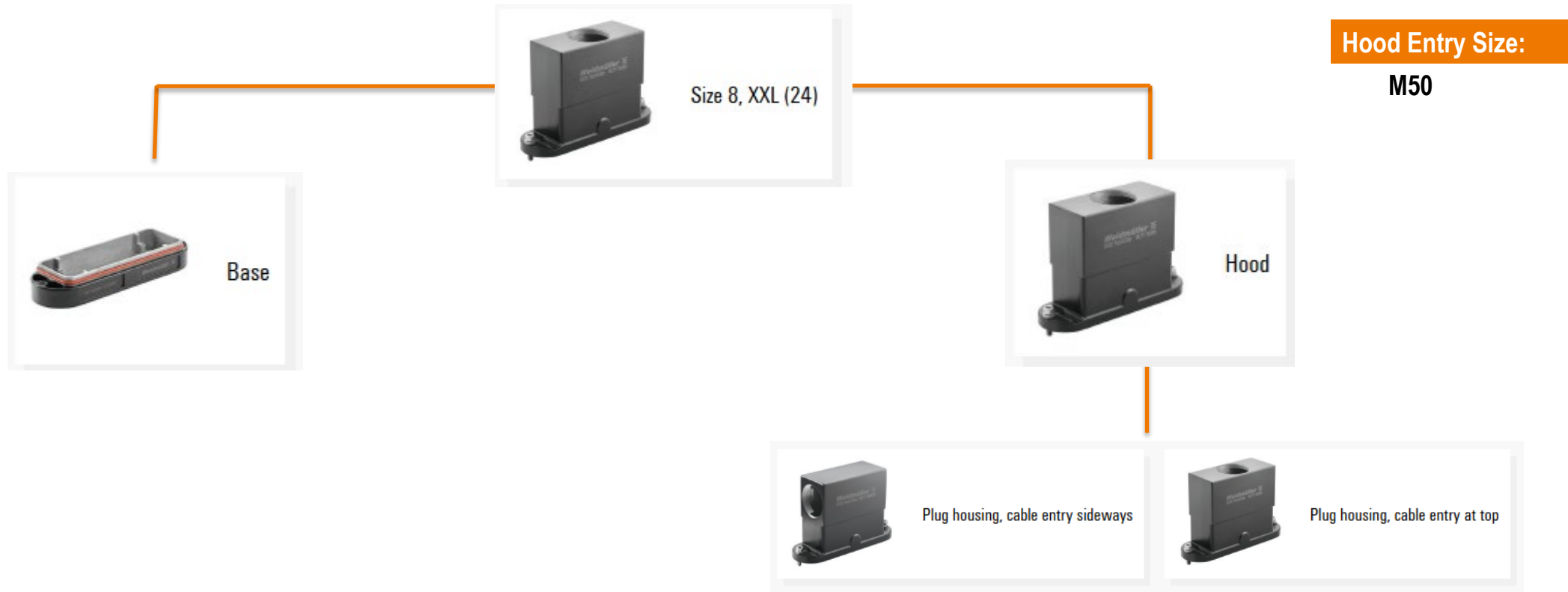
M25
M32
M40
M50
PG29
PG36



RockStar® Heavy Duty Connectors

Housings

RockStar® IP68 / Size 8 XXL (24)



RockStar® Heavy Duty Connectors Kits

Weidmüller Website Support Center easyConnect English Request login Log in

All categories Connectivity Electronics Automation & Software Workplace & Accessories Assembly


Search for a product or by item number

Home > Product Catalogue > Connectivity > Connectors > Heavy duty connectors

Heavy duty connectors

Currently, heavy-duty connectors are used wherever there is a need for a secure, simple and time-saving assembly of machinery and facilities. The connector housings are made of die-cast aluminium and offer excellent protection against dirt, moisture and mechanical stress. Special modular connectors make it possible to integrate signals, power supply and data connections into a single connector. With the RockStar® heavy-duty connectors, Weidmüller offers a product line with many patented innovations that is oriented towards the future...


Show more



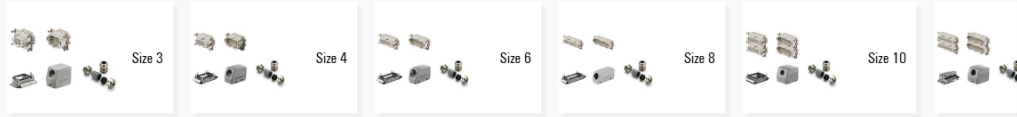
The HE Series

The RockStar® kits normally consist of a male insert, a female insert, a plug housing, a bulkhead housing and a cable gland.

Weidmüller offers a range of standard plug-in connector combinations with metric or PG cable entry threads, with screw connection or PUSH IN connection.



Size 3 Size 4 Size 6 Size 8 Size 10



Connectors > Heavy duty connectors > Housing > RockStar® IP65 / NEMA type 12, 4X housing > Size 3 (06B/16D) > end locking on base > Hood > Hood, Cable Entry sideways

HDC 06B TSLU 1PG16G
Item No.: 1652520000
Packaging unit: 1 PC
HDC enclosures, Size: 3, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, End-locking clamp, lower side, Standard, Size of cable entries: PG 16

Data sheet Downloads Add to request

Connectors > Heavy duty connectors > Housing > RockStar® IP65 / NEMA type 12, 4X housing > Size 3 (06B/16D) > end locking on base > Base > Bulkhead housing

HDC 06B ALU
Item No.: 1202100000
Packaging unit: 1 PC
HDC enclosures, Size: 3, Protection degree: IP65 (in plugged condition), Bulkhead housing, End-locking clamp, lower side, End-locking clamp not replaceable, Standard

Data sheet Downloads Add to request

Connectors > Heavy duty connectors > Inserts > Fixed-pole inserts > HE Series - 16A, 500V, 6 - 48 poles > PUSH IN > Size 3

HDC HE 6 MP
Item No.: 1873530000
Packaging unit: 1 PC
HDC insert, Male, 500 V, 24 A, Number of poles: 6, PUSH IN, Size: 3

Data sheet Downloads Add to request

HDC HE 6 FP
Item No.: 1873520000
Packaging unit: 1 PC
HDC insert, Female, 500 V, 24 A, Number of poles: 6, PUSH IN, Size: 3

Data sheet Downloads Add to request

6-pole PUSH IN > PG version 2 products found

Number of poles
 6 in

HDC KIT HE-P 06.10
Connectivity > Connectors > Heavy duty connectors > Kits > The HE Series > Size 3 > 6-pole PUSH IN > PG version
Item No.: 1027660000
Packaging unit: 1 PC
RockStar® HDC kits-Heavy-duty connectors, Kit, HE, Size: 3, Poles: 6, PUSH IN, 500 V, 24 A, diecast aluminium, PG 16

Data sheet Downloads Add to request


HDC KIT HE-P 06.11
Connectivity > Connectors > Heavy duty connectors > Kits > The HE Series > Size 3 > 6-pole PUSH IN > PG version
Item No.: 1061710000
Packaging unit: 1 PC
RockStar® HDC kits-Heavy-duty connectors, Kit, HE, Size: 3, Poles: 6, PUSH IN, 500 V, 24 A, diecast aluminium, PG 16

Data sheet Downloads Add to request

HDC KIT HE-P 06.10

RockStar® HDC kits-Heavy-duty connectors, Kit, HE, Size: 3, Poles: 6, PUSH IN, 500 V, 24 A, diecast aluminium, PG 16

Item No. **1027660000**



1 ADD TO REQUEST

Download data sheet Ask a question

Related products

Properties Accessories Individual parts

General ordering data

Dimensions and weights

Agenda

01

HDC - Sizes

02

HDC - Inserts

03

HDC - Enclosures

04

HDC - ModuPlug



RockStar® ModuPlug sets new standards...

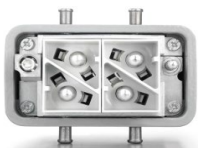
More freedom & less work!



More choice - Lower costs



More benefits - Less risk



More power - Less weight



More data - Fewer limits



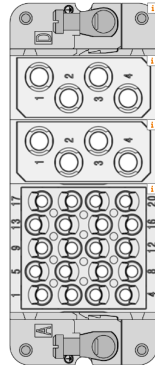
More signals - Less space



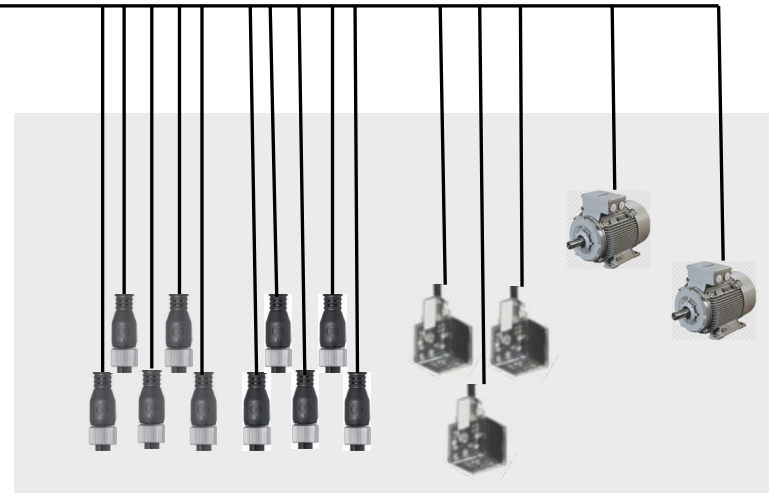
More flexibility - Less dependence

RockStar® ModuPlug sets new standards...

More freedom & less work!

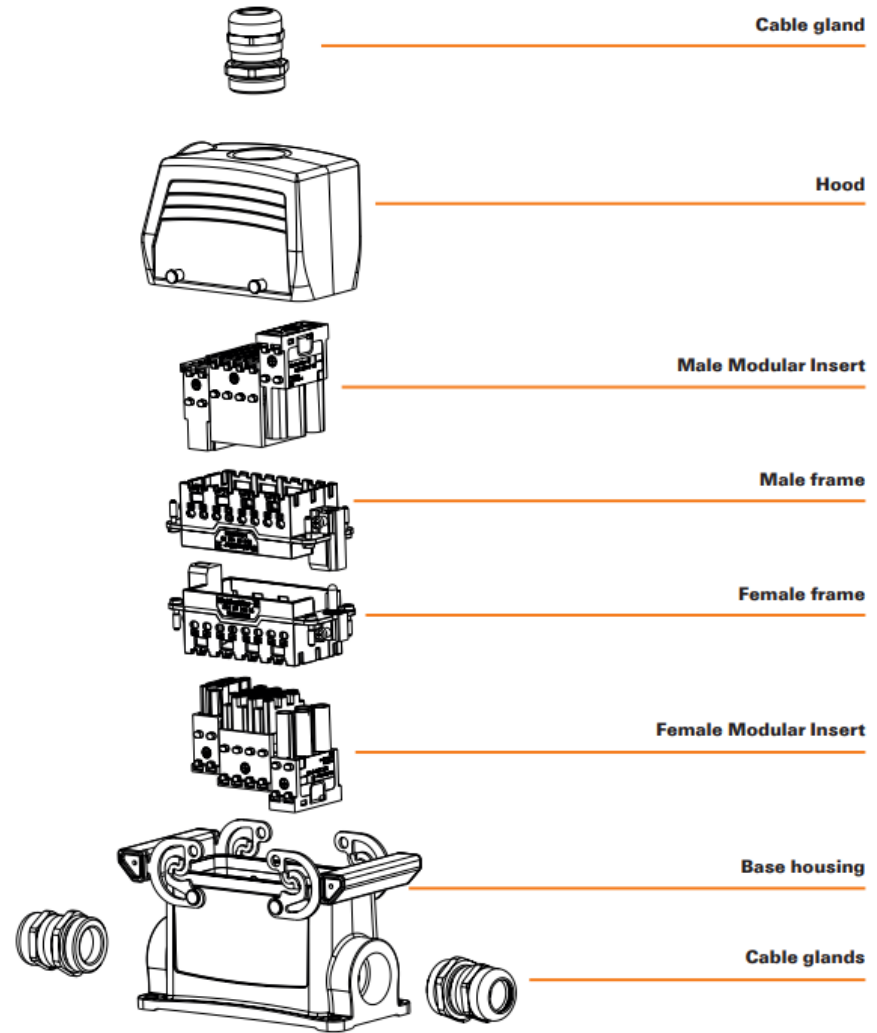


Signal
+
Power
+
Data
+
Pneumatics
(Air)



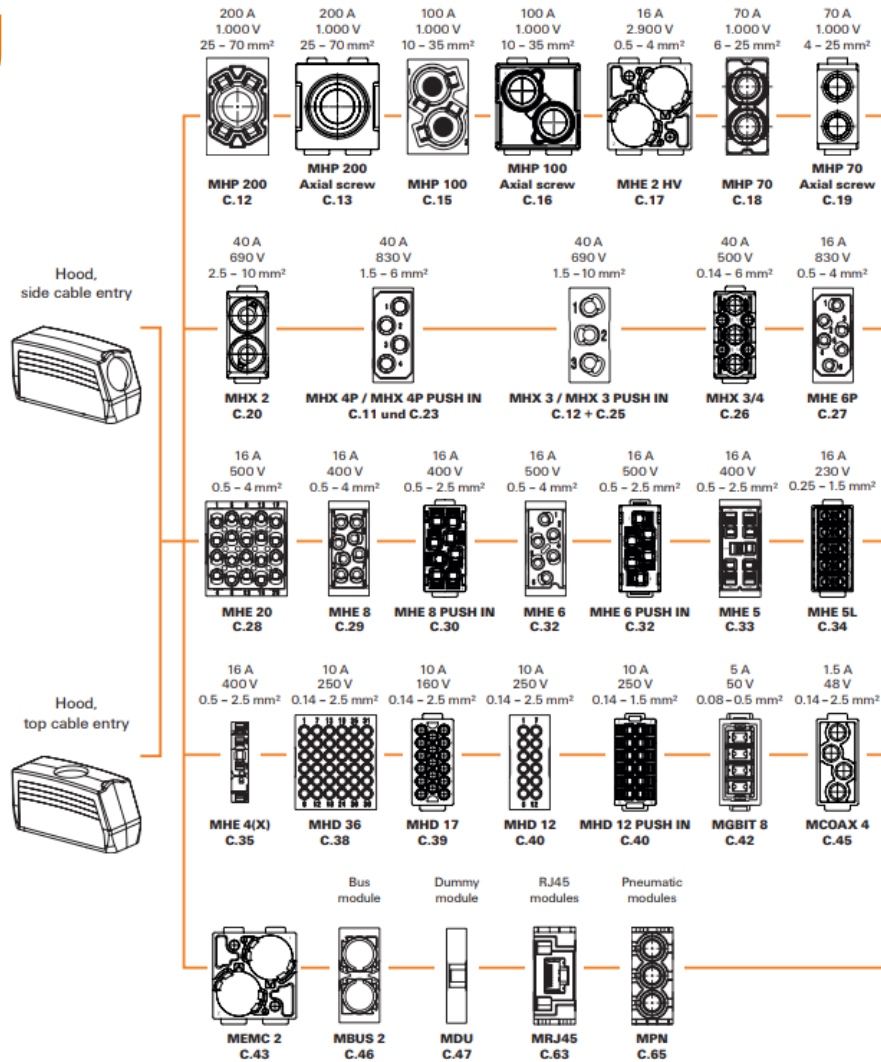
Blueprint RockStar® HDC

ModuPlug Heavy Duty Connector



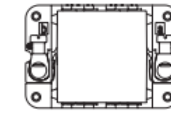
RockStar® Heavy Duty Connectors

ModuPlug



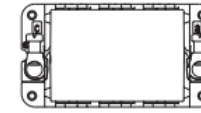
Size

3



MF 6B
for 2 modules
c.8

4



MF 10B
for 3 modules
c.9

6



MF 16B
for 4 modules
c.10

8



MF 24B
for 6 modules
c.11

10

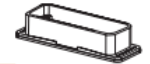


2 x MF 16B
for 8 modules
c.7

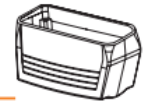
12



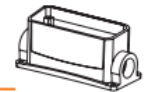
2 x MF 24B
for 12 modules
c.7



Bulkhead housing

















Coupling housing

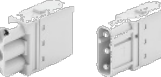







Base housing

RockStar® Heavy Duty Connectors

ModuPlug – Power Transmission Module

	HDC MHP 70	HDC MHP 100	HDC MHP 100 PE	HDC MHP 200	HDC MHP 200 PE	HDC MHX 2	HDC MHX 2
Power Axial screw connection							
Part Numbers	Female 2748300000 Male 2748310000	Female 2748280000 Male 2748290000	Female 2748270000 Male 2748260000	Female 2748250000 Male 2748240000	Female 2748260000 Male 2748270000	Female 2748320000 Male 2748330000	
Power Crimp connection							
Part Numbers	Female 2668180000 Male 2668190000	Female 1429080000 Male 1429060000	Female 1429110000 Male 1429090000	Female 2549260000 Male 2548900000	Female 2637310000 Male 2637280000	Female 2748350000 Male 2748340000	Female 2772830000 Male 2772820000
Current / voltage	70 A / 1000 V	100 A / 1000 V	100 A / 1000 V	200 A / 1000 V	200 A / 1000 V	40 A / 830 V	40 A / 690 V

	HDC MHX 3	HDC MHX 3/4	HDC MHX 4P	HDC MHE 2 HV
Power PUSH IN				
Part Numbers	Female 2772790000 Male 2772780000		Female 2772810000 Male 2772800000	
Power Crimp connection				
Part Numbers	Female 1429350000 Male 1429340000	Female 2748370000 Male 2748360000	Female 1428970000 Male 1428950000	Female 2748380000 Male 2748390000
Current / voltage	40 A/10 A / 830 V	40 A/10 A / 500 V	40 A / 830 V	16 A / 5000 V

RockStar® Heavy Duty Connectors


ModuPlug – Signal Transmission








Signal PUSH IN	HDC MHE 6	HDC MHE 6P	HDC MHE 8	HDC MHD 12	HDC MHD 17	HDC MHE 20	HDC MHD 36	HDC MHD 42
Part Numbers	Female 2748430000 Male 2748420000	Female 2748430000 Male 2748420000	Female 2748450000 Male 2748440000	Female 2748470000 Male 2748460000				
Signal Crimp connection								
Part Numbers	Female 1429370000 Male 1429360000	Female 1505660000 Male 1505650000	Female 1428890000 Male 1428880000	Female 1428850000 Male 1428840000	Female 2748490000 Male 2748480000	Female 1428930000 Male 1428910000	Female 1428870000 Male 1428860000	Female 3011310000 Male 3011270000
Current / voltage	16 A / 500 V	16 A / 830 V	16 A / 400 V	10 A / 250 V	10 A / 160 V	16 A / 500 V	10 A / 250 V	10A / 250 V

Signal PUSH IN	HDC MHE 4	HDC MHE 4X	HDC MHE 4X2	HDC MHE 5L	HDC MHE 5
Part Numbers	Female 2635990000 Male 2635980000	Female 2636060000 Male 2636070000	Female 2636080000 Male 2636090000	Female 2748400000 Male 2748410000	Female 2636190000 Male 2636180000
Current / voltage	PUSH IN Terminal Block Module	PUSH IN Terminal Block Module	PUSH IN Terminal Block Module w/potential distribution	16 A / 400 V	16 A / 400 V

RockStar® Heavy Duty Connectors

ModuPlug – Data Transmission






Data Crimp connection	HDC MGBIT 8	HDC MGBIT 8 C M SH	HDC MMBIT 8 C M	HDC MMBIT 8 CM SH	HDC MMBIT 8 C M2	HDC MMBIT 8 C M2 SH	HDC MCOAX 4
							
Part Numbers	Female 2748520000 Male 2748530000	Female 3092810000 Male 3092820000	Female 3092830000 Male 3092870000	Female 3092860000 Male 3092990000	Female 3092840000 Male 3092880000	Female 3092850000 Male 3092890000	Female 2748540000 Male 2748550000
Current / voltage	5 A / 50 V	5 A	10A		10A	10A	1,5 A / 50 V





Data Crimp connection	HDC MEMC 2	HDC MBUS HD 4	HDC MBUS HE 1	HDC MBUS HD 1	HDC MBUS HS 8	HDC C COAX 50	HDC C COAX 75
							
Part Numbers	Female 2748570000 Male 2748560000	Female 274858000 Male 274859000	Female 2748600000 Male 2748610000	Female 2748620000 Male 2748630000	Female 1428970000 Male 1428950000	Female 2748660000 Male 2748670000	Female 2748680000 Male 2748690000
Current / voltage	10 A / 50 V	10 A / 50 V	16 A / 50 V	10 A / 50 V	5 A / 50 V	1,5 A / 50 V	2 A / 250 V

RockStar® Heavy Duty Connectors

ModuPlug – Data & Pneumatic Modules

Data	HDC MRJ45 GC	HDC MRJ45 PCADP MC	HDC MRJ45 ABP MI	HDC MRJ45 A MI	HDC MRJ45 B MI	HDC MRJ45 P MI	HDC MRJ45 8 PLUG MC
							
Notes/ Current / voltage	Gender Changer - mating side to all others	Adapter - needs special patch cord (pg3)	TIA-568A, EIA/TIA T568 B, PROFINET	TIA-568A	EIA/TIA T568 B	PROFINET	Crimp
Part Numbers	2592030000	2592260000	2592210000	2592220000	2592230000	2592240000	2592250000

Data	HDC MBUS	Industrial Cable	Railway Cable	HDC MBUS8 X6A	HDC MBUS4 D5E
					
Notes / Current / voltage	Requires WM Cable Only	4 A / 50 V		0.5 A / 50 V	4 A / 50 V
Part Numbers	Female 1429020000 Male 1428990000	Industrial Cable Cat 5 D Type and Cat 6 X type Various depending on configuration	Industrial Cable Cat 5 D Type and Cat 6 X type Various depending on configuration	Field attachable Cat 6 X type Female 2427910000 Male 2427900000	Field attachable Cat 5 D type Female 2427930000 Male 2427920000

Pneumatic	HDC MPN 2	HDC MPN 3	HDC MPN 1.6	HDC MPN 3.0	HDC MPN 4.0	HDC MPN 6.0
						
Part Numbers	2637320000	2637340000	Female 2637480000 Male 2637470000 SOF 2637490000	Female 2637450000 Male 2637440000 SOF 2637460000	Female 2637420000 Male 2637410000 SOF 2637430000	Female 2637390000 Male 2637350000 SOF 2637400000

RockStar® Heavy Duty Connectors



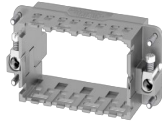
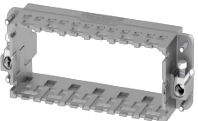
ModuPlug – Special Cables for ModuPlug Data Modules

Type	Part number	Description	Length	Qty.
Cat. 6A, LSZH, grey	2661950020	HDC RJ4501 MMSCAT6-0020	0.2 m	1 pc.
	2661950030	HDC RJ4501 MMSCAT6-0030	0.3 m	1 pc.
	2661950040	HDC RJ4501 MMSCAT6-0040	0.4 m	1 pc.
	2661950050	HDC RJ4501 MMSCAT6-0050	0.5 m	1 pc.
	2661950060	HDC RJ4501 MMSCAT6-0060	0.6 m	1 pc.
	2661950070	HDC RJ4501 MMSCAT6-0070	0.7 m	1 pc.
	2661950080	HDC RJ4501 MMSCAT6-0080	0.8 m	1 pc.
	2661950090	HDC RJ4501 MMSCAT6-0090	0.9 m	1 pc.
	2661950100	HDC RJ4501 MMSCAT6-0100	1.0 m	1 pc.
	2661950150	HDC RJ4501 MMSCAT6-0150	1.5 m	1 pc.
	2661950200	HDC RJ4501 MMSCAT6-0200	2.0 m	1 pc.
	2661950250	HDC RJ4501 MMSCAT6-0250	2.5 m	1 pc.
	2661950300	HDC RJ4501 MMSCAT6-0300	3.0 m	1 pc.
	2661950400	HDC RJ4501 MMSCAT6-0400	4.0 m	1 pc.
	2661950500	HDC RJ4501 MMSCAT6-0500	5.0 m	1 pc.
	2661950600	HDC RJ4501 MMSCAT6-0600	6.0 m	1 pc.
	2661950700	HDC RJ4501 MMSCAT6-0700	7.0 m	1 pc.
	2661950750	HDC RJ4501 MMSCAT6-0750	7.5 m	1 pc.
	2661950800	HDC RJ4501 MMSCAT6-0800	8.5 m	1 pc.
	2661950900	HDC RJ4501 MMSCAT6-0900	9.0 m	1 pc.
2661951000	HDC RJ4501 MMSCAT6-1000	10.0 m	1 pc.	
2661951500	HDC RJ4501 MMSCAT6-1500	15.0 m	1 pc.	
2661952000	HDC RJ4501 MMSCAT6-2000	20.0 m	1 pc.	

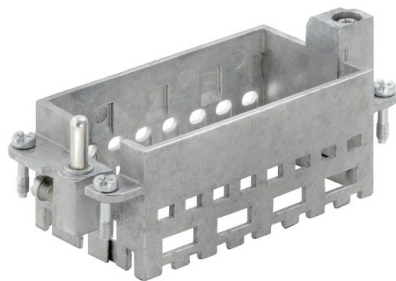


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ModuPlug – Insert Frame

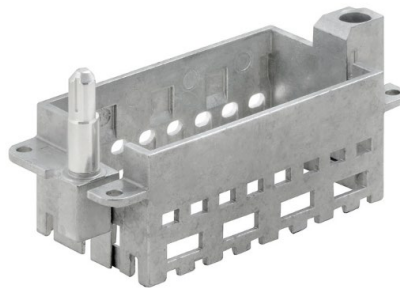
Frame	HDC MF 6B	HDC MF 10B	HDC MF 16B	HDC MF 24B
				
Housing size	6B = Size 3	10B = Size 4	16B = Size 6	24B = Size 8
Part Numbers	AB 1428920000 BA 1428940000	AC 1428960000 CA 1428980000	AD 1429010000 DA 1429030000	AF 1429050000 FA 1429070000

Standard version
with PE (Protection Earth)



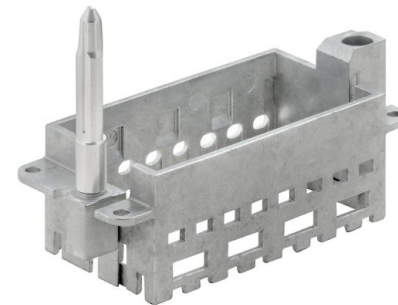
HDC MF MFGS 16B AD

Short guide pin
without PE



HDC MF MFGS 16B AD

Long guide pin
without PE



HDC MFGL 16B AD

RockStar® Heavy Duty Connectors

ModuPlug – Assembly Video

To play video,
hold Ctrl button
and click on
image or URL,
below:



<https://www.youtube.com/watch?v=hPYAz0-4B9w>

