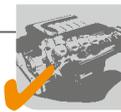


POWERTRAIN SYSTEMS



SAFETY & SECURITY SYSTEMS



CONVENIENCE



DRIVER INFORMATION



BODY & CHASSIS SYSTEMS

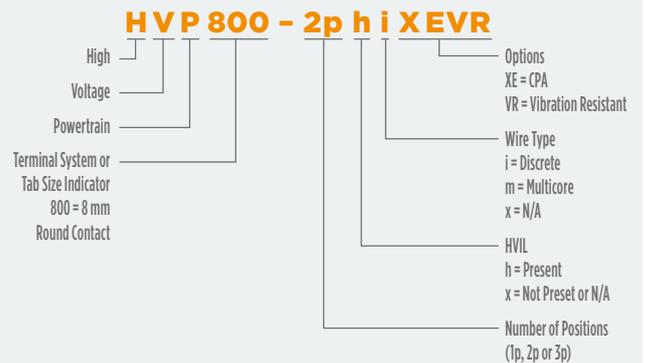


## AMP+ HVP 800

### INTRODUCTION

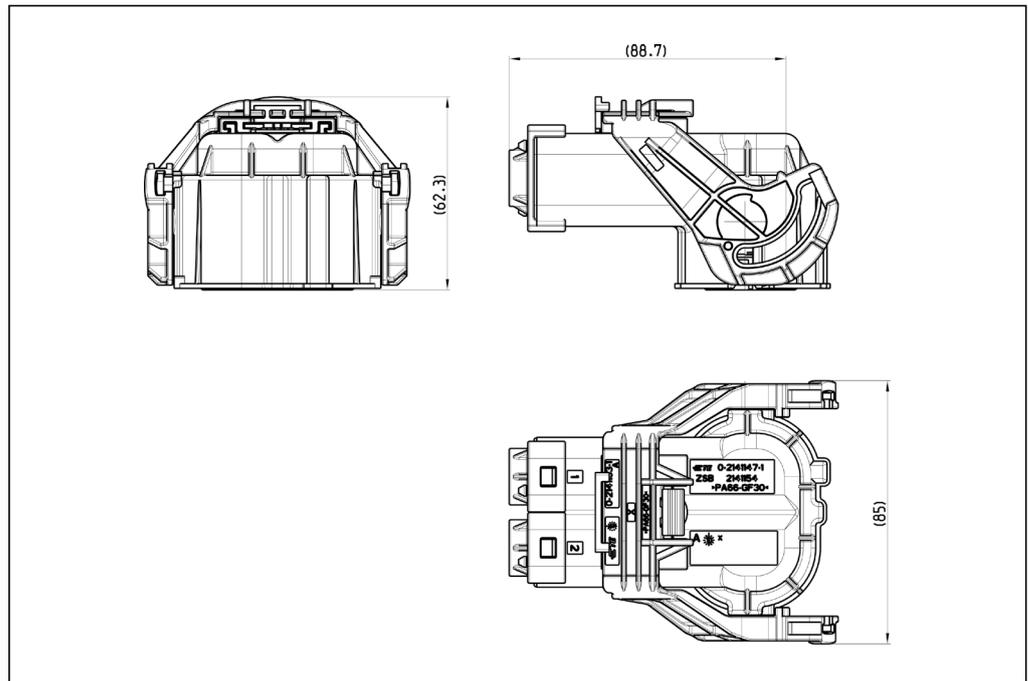
Sealed and shielded pluggable connector for various applications in the e-mobility car infrastructure with up to 200A at 85° (depending on wire cross section). Used e.g. to connect HV battery and inverter or in charging applications.

#### Naming Convention HVP 800 Connector Family





AMP HVP 800 2phi XE Plug 90°



Drawing 2282334 \*

Technical Features

**Terminal Size/Style:**

8.0 mm round contact

**Contact System:**

Plug & Header

**Conductor Cross-sections:**

25-50 mm<sup>2</sup>

**Voltage Range:**

650V / 850V

**Operation Temperature:**

-40 °C to 140 °C

**Current Carrying Capacity:**

200 AMP @ 85 °C

**IP Rating:**

Mated: IP6k9k

Unmated: IpxxB

Mated IPxxD

**HVIL:**

yes

**CPA:**

Shunted in plug (design allows for pass-through)

**Fire Classification:**

HB

**Vibration Level:**

2 (body mount)

**Product Specification:**

108-94268

**Application Specification:**

114-94052

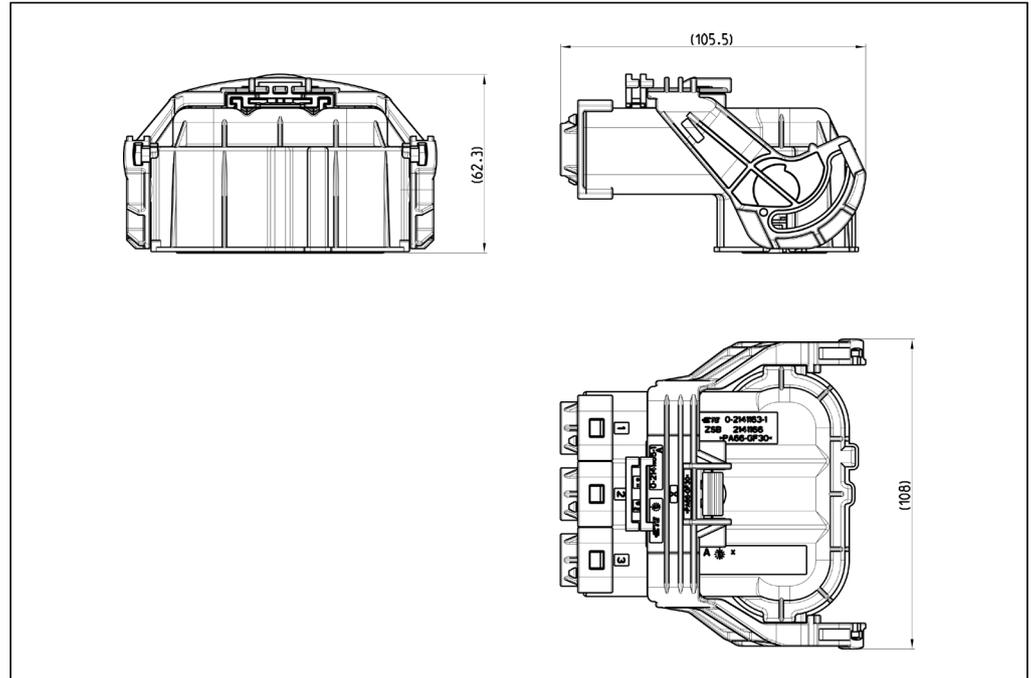
AMP HVP 800 2phi XE Plug 90 deg

Version (Cable Dimension)	Coding	With CPA	With Lever	Order Information
25 / 35 / 50 mm <sup>2</sup> (acc. LV216-2)	A	✓	✓	To be Ordered see drawing!
	B	✓	✓	
	C	✓	✓	
	D	✓	✓	
16 mm <sup>2</sup>				in planning

\* Drawing Number is NOT the Order Number!



**AMP HVP 800 3phi XE Plug 90°**



Drawing 2282335 \*

**Technical Features**

**Terminal Size/Style:**  
 8.0 mm round contact

**Contact System:**  
 Plug & Header

**Conductor Cross-sections:**  
 25-50 mm<sup>2</sup>

**Voltage Range:**  
 650V / 850V

**Operation Temperature:**  
 -40 °C to 140 °C

**Current Carrying Capacity:**  
 200 AMP@ 85 °C

**IP Rating:**  
 Mated: IP6k9k  
 Unmated: IpxxB  
 Mated IPxxD

**HVIL:**  
 yes

**CPA:**  
 Shunted in plug (design allows for pass-through)

**Fire Classification:**  
 HB

**Vibration Level:**  
 2 (body mount)

**Product Specification:**  
 108-94268

**Application Specification:**  
 114-94052

**AMP HVP 800 3phi XE Plug 90 deg**

Version (Cable Dimension)	Coding	With CPA	With Lever	Order Information
25 / 35 / 50 mm <sup>2</sup> (acc. LV216-2)	A	✓	✓	To be Ordered see drawing!
	B	✓	✓	
	C	✓	✓	
	D	✓	✓	
16 mm <sup>2</sup>	in planning			

\* Drawing Number is NOT the Order Number!



**Technical Features**

**Terminal Size/Style:**

8.0 mm round contact

**Contact System:**

Plug & Header

**Conductor Cross-sections:**

25-50 mm<sup>2</sup>

**Voltage Range:**

850V

**Operation Temperature:**

-40 °C to 140 °C

**Current Carrying Capacity:**

200 AMP @ 85 °C

**IP Rating:**

Mated: IP6k9k

Unmated: IpxxB

Mated IPxxD

**HVIL:**

yes

**CPA:**

Shunted in plug (design allows for pass-through)

**Fire Classification:**

HB

**Vibration Level:**

2 (body mount)

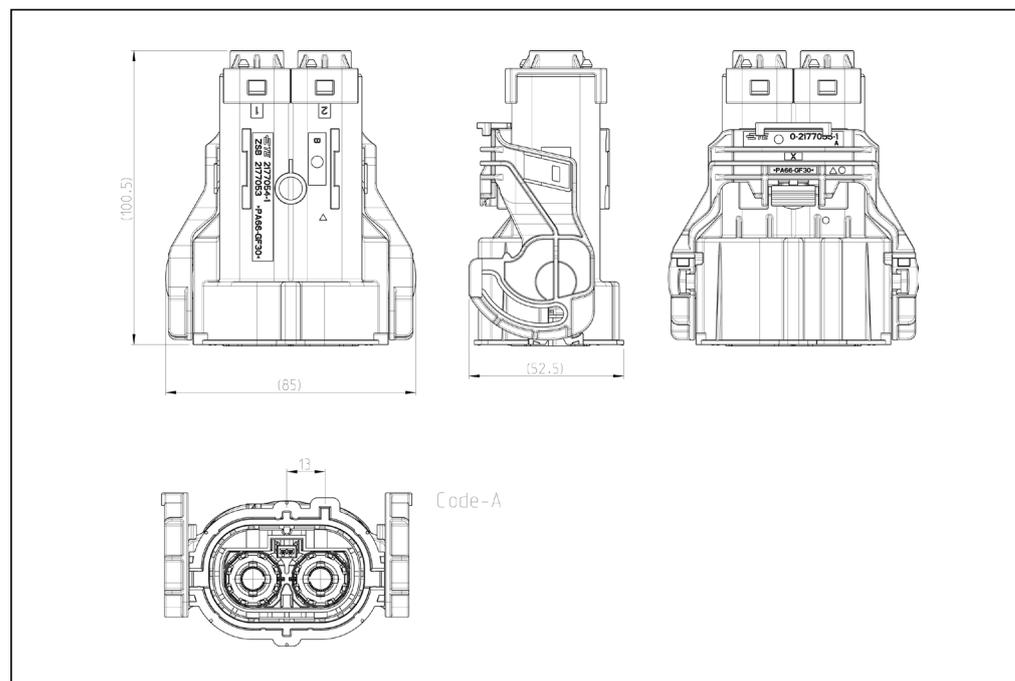
**Product Specification:**

108-94297

**Application Specification:**

114-94130

**AMP HVP 800 2phi XE Plug 180°**



Drawing 2177052 \*

**AMP HVP 800 2phi XE Plug 180 deg**

Version (Cable Dimension)	Coding	With CPA	With Lever	Order Information
25 / 35 / 50 mm <sup>2</sup> (acc. LV216-2)	A	✓	✓	To be Ordered see drawing!
	B	✓	✓	
	C	✓	✓	
	D	✓	✓	
16 mm <sup>2</sup>	in planning			

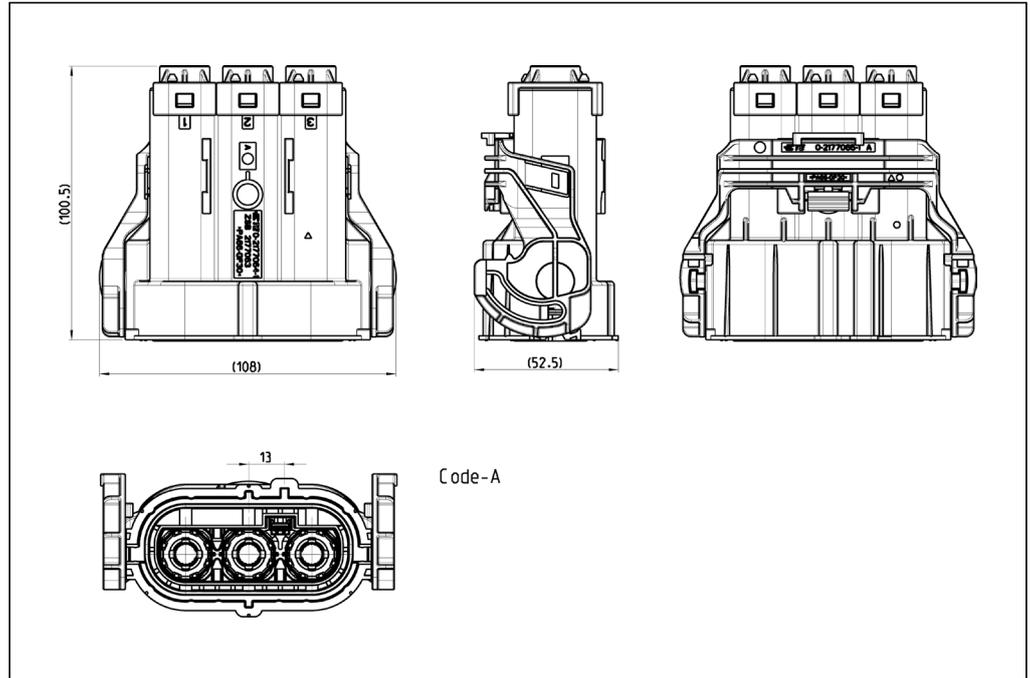
\* Drawing Number is NOT the Order Number!



**Technical Features**

- Terminal Size/Style:**  
8.0 mm round contact
- Contact System:**  
Plug & Header
- Conductor Cross-sections:**  
25-50 mm<sup>2</sup>
- Voltage Range:**  
850V
- Operation Temperature:**  
-40 °C to 140 °C
- Current Carrying Capacity:**  
200 AMP @ 85 °C
- IP Rating:**  
Mated: IP6k9k  
Unmated: IpxxB  
Mated IPxxD
- HVIL:**  
yes
- CPA:**  
Shunted in plug (design allows for pass-through)
- Fire Classification:**  
HB
- Vibration Level:**  
2 (body mount)
- Product Specification:**  
108-94297
- Application Specification:**  
114-94130

**AMP HVP 800 3phi XE Plug 180°**

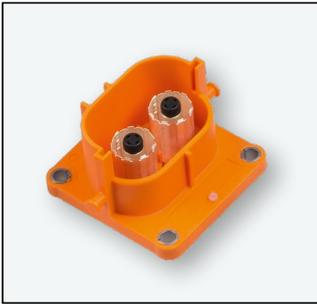


Drawing 2177062 \*

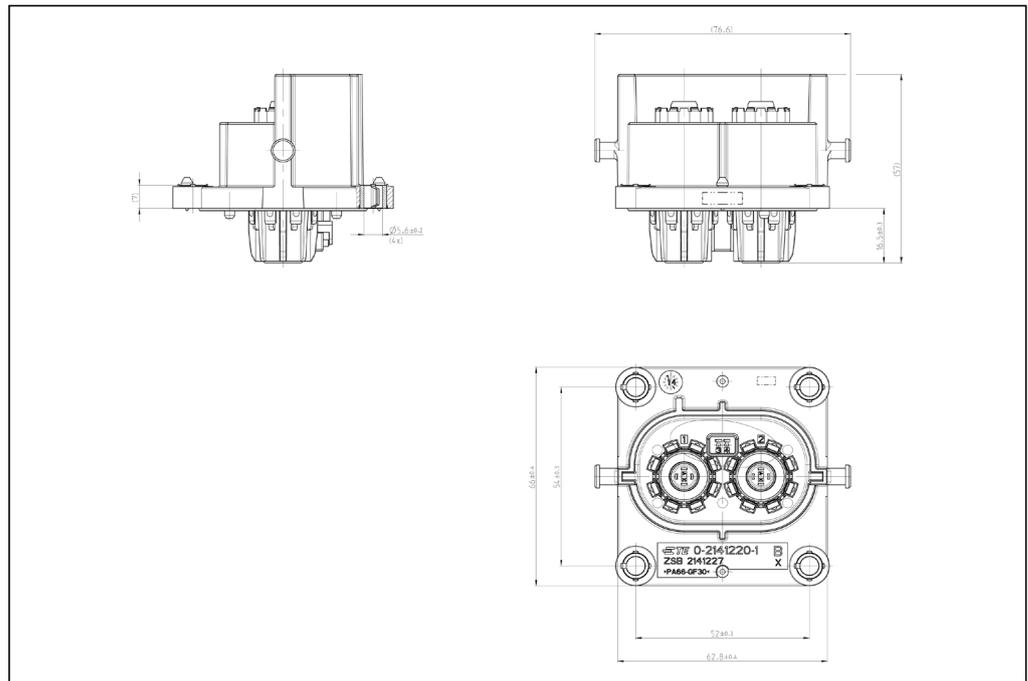
**AMP HVP 800 3phi XE Plug 180 deg**

Version (Cable Dimension)	Coding	With CPA	With Lever	Order Information
25 / 35 / 50 mm <sup>2</sup> (acc. LV216-2)	A	✓	✓	To be Ordered see drawing!
	A	✓	✓	
	B	✓	✓	
	B	✓	✓	
16 mm <sup>2</sup>	in planning			

\* Drawing Number is NOT the Order Number!



**AMP HVP 800 2phi Header**



Drawing 2141227 \*

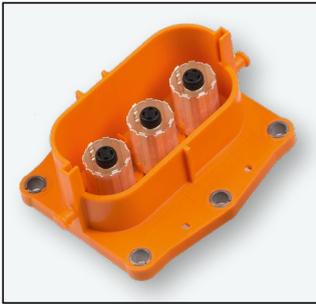
**Technical Features**

- Pin Number:**  
2
- Contact System:**  
Plug & Header
- Conductor Cross-sections:**  
all
- Voltage Range:**  
850V
- Operation Temperature:**  
-40 °C to 140 °C
- Current Carrying Capacity:**  
200 AMP @ 85 °C
- IP Rating:**  
Mated: IP6k9k  
Unmated: IP2xB (touch safe)
- HVIL:**  
yes
- CPA:**  
yes
- Fire Classification:**  
HB
- Vibration Level:**  
2
- Interface Drawing:**  
114-94034
- Interface Drawing Adapter Plate:**  
114-94032
- Product Specification:**  
108-94268 / 108-94297
- Application Specification:**  
114-94153

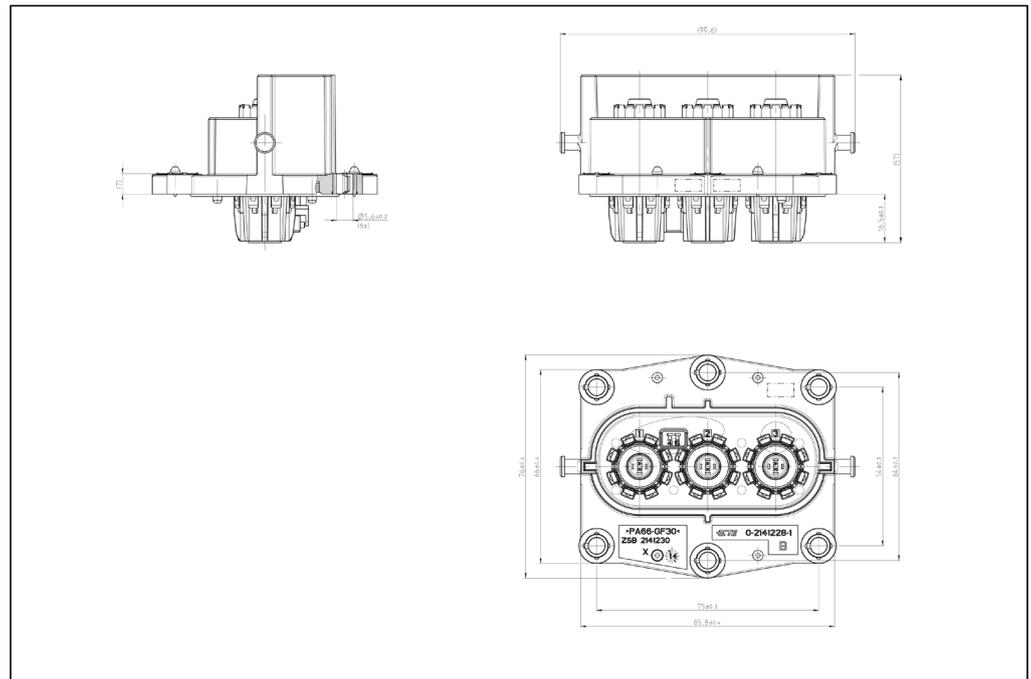
**AMP HVP 800 2phi Header**

Version (Cable Dimension)		Coding	Order Information
		A	
one for all	released	B	To be Ordered see drawing!
		C	
		D	

\* Drawing Number is NOT the Order Number!



**AMP HVP 800 3phi Header**



Drawing 2141230 \*

**Technical Features**

- Pin Number:**  
3
- Contact System:**  
Plug & Header
- Conductor Cross-sections:**  
all
- Voltage Range:**  
850V
- Operation Temperature:**  
-40 °C to 140 °C
- Current Carrying Capacity:**  
200 AMP @ 85 °C
- IP Rating:**  
Mated: IP6k9k  
Unmated: IP2xB (touch safe)
- HVIL:**  
yes
- CPA:**  
yes
- Fire Classification:**  
HB
- Vibration Level:**  
2
- Interface Drawing:**  
114-94034
- Interface Drawing Adapter Plate:**  
114-94032
- Product Specification:**  
108-94268 / 108-94297
- Application Specification:**  
114-94153

**AMP HVP 800 3phi Header**

Version (Cable Dimension)	Coding	Order Information
one for all	released	To be Ordered see drawing!
	A	
	B	
	C	
	D	

\* Drawing Number is NOT the Order Number!