

EXCEL | MATE Metal: 2 PIN & 3 PIN CONNECTOR



EXCEL | MATE Metal

EXCEL | MATE Metal is a 2 pin and 3 pin connector with current carrying capacity from 80 to 120A and 16 to 25mm² crimping cable.

Specially designed for battery, inverters, junction boxes, power distribution boxes and others HEV devices' equipment.

KEY FEATURES

Integrated internal HVIL

Current rating up to 120A@ ambient temperature 70°C

No tool required to unmate

Sealing, IP67 (mated), IP6K9K

Touch-proof, IP2XB

Multiple coding positions

CPA available

MECHANICAL

Durability	≥ 50 mating cycles
Wire range	16 to 25 mm ² shielded wire
Insertion and extraction force	< 100N
Connection type	Copper bar
HVIL	Integrated
CPA	Available

ELECTRICAL

Rated voltage	1000V DC
Rated current	120A Max @ ambient temperature 70°C
Insulator resistance	> 100MΩ
Dielectric withstand voltage	3000V AC
Shielding	360° from wire to device

ENVIRONMENTAL

Sealing	IP67, IP6K9K (mated)
Touch-proof	IP2XB
Temperature range	-40°C to 125°C
Salt spray	96 hours

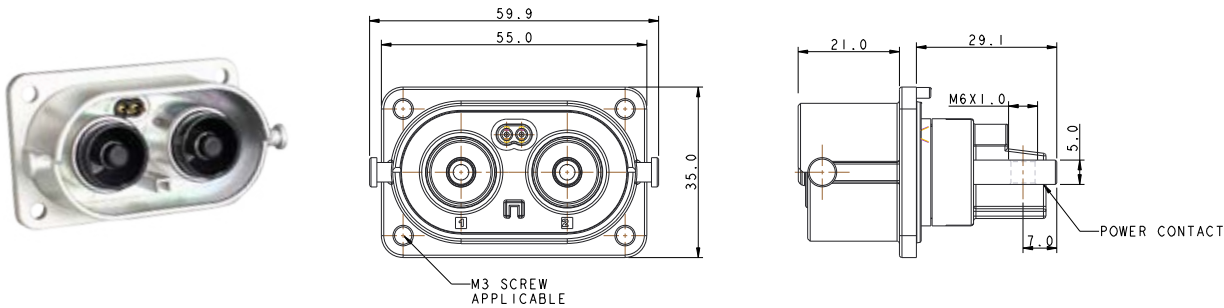
STANDARDS

USCAR-2
USCAR-37
LV-215
RoHS

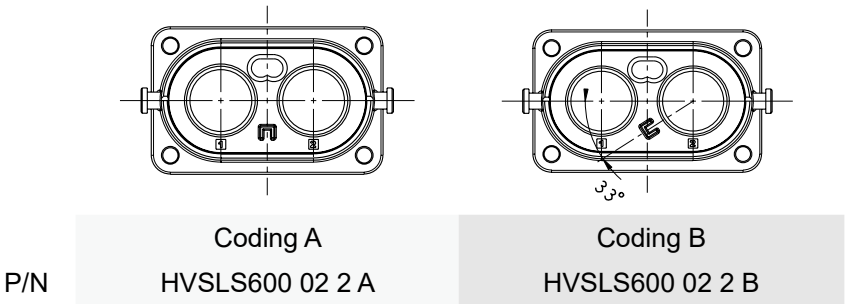
MATERIAL

Terminals	Copper/copper alloy with silver plating
Housing	Zinc alloy

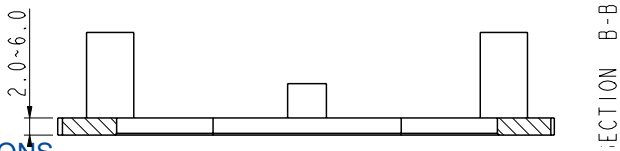
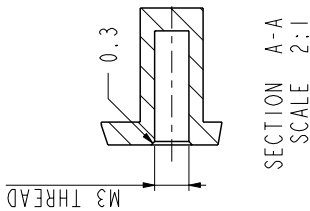
2 PIN RECEPTACLE



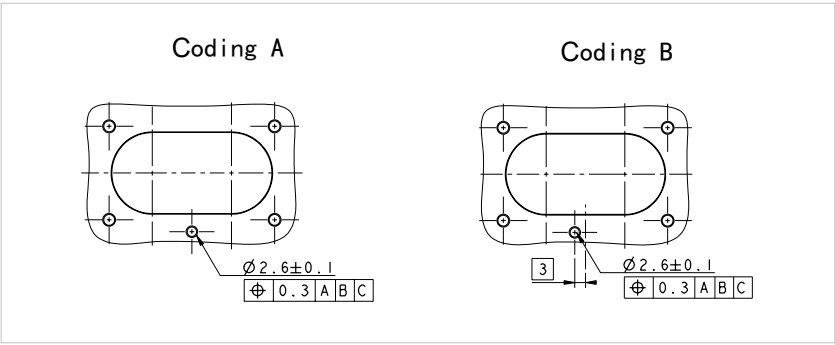
INSERT ORIENTATIONS



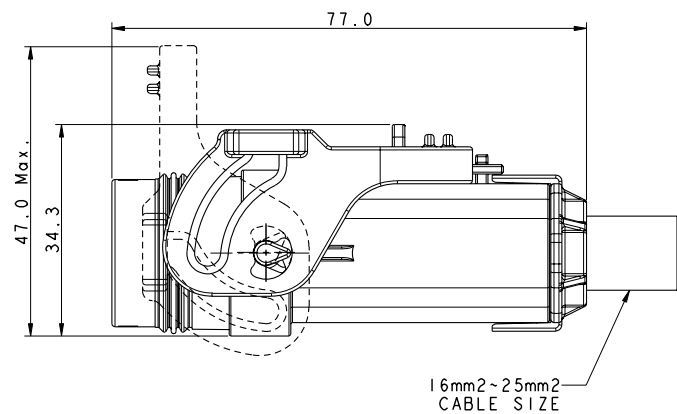
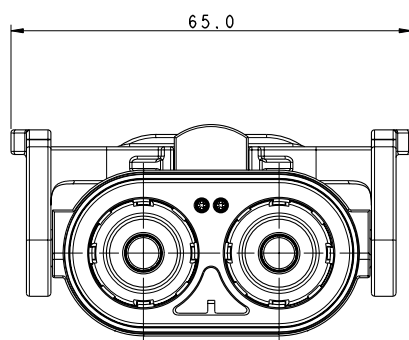
PANEL MOUNTING DIMENSIONS



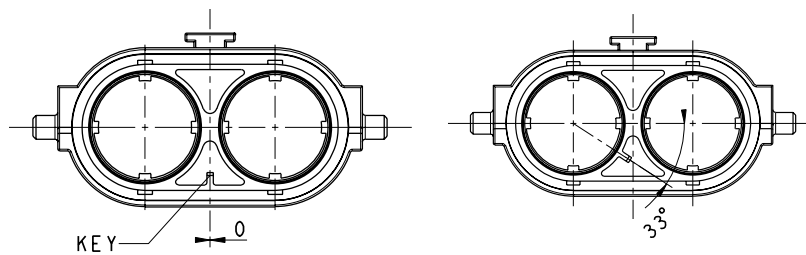
INSERT ORIENTATIONS



2 PIN STRAIGHT PLUG



INSERT ORIENTATIONS



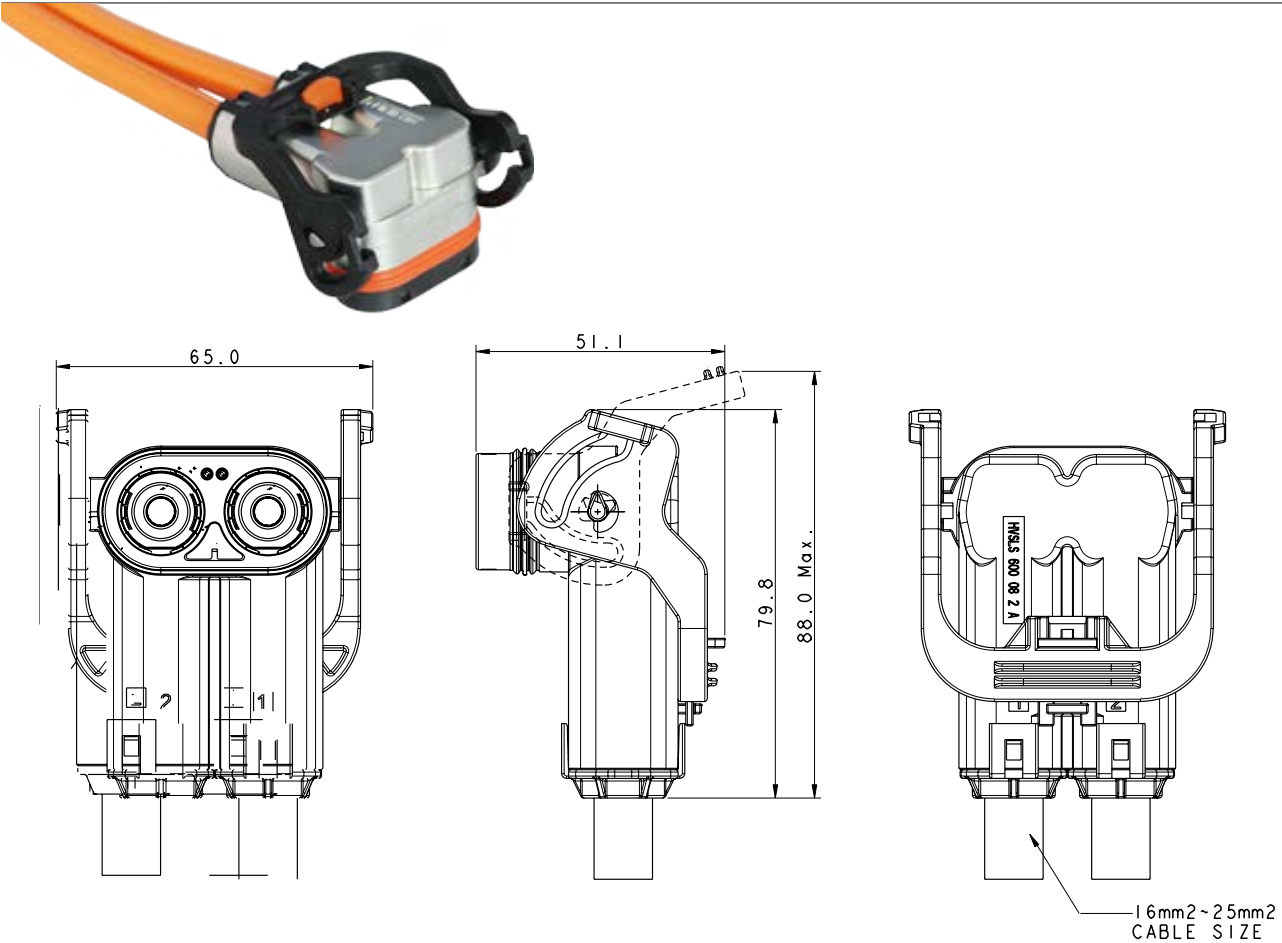
P/N

Coding A
HVSLS600 06 2 A

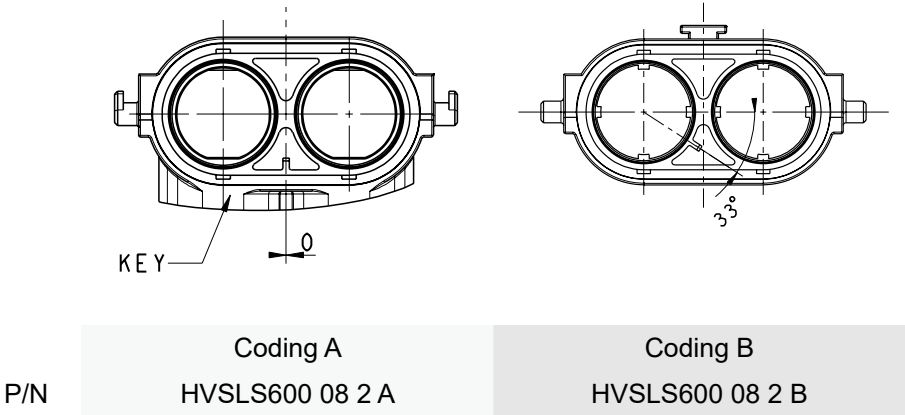
Coding B
HVSLS600 06 2 B

Excel|Mate Metal
(HVSLS 600)

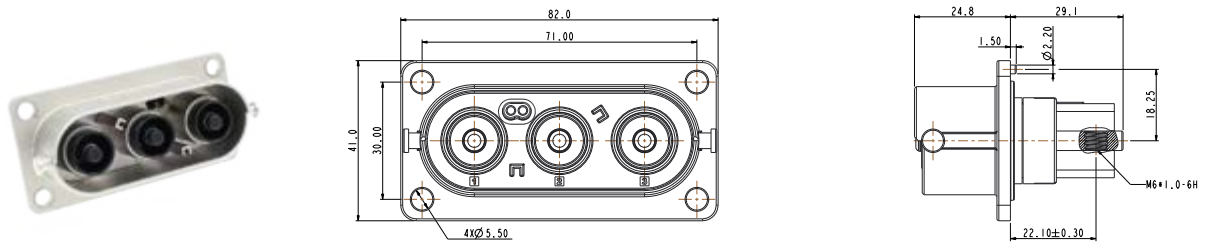
2 PIN RIGHT ANGLE PLUG



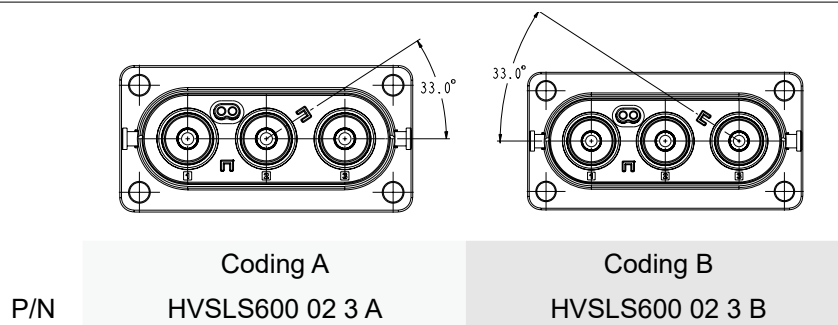
INSERT ORIENTATIONS



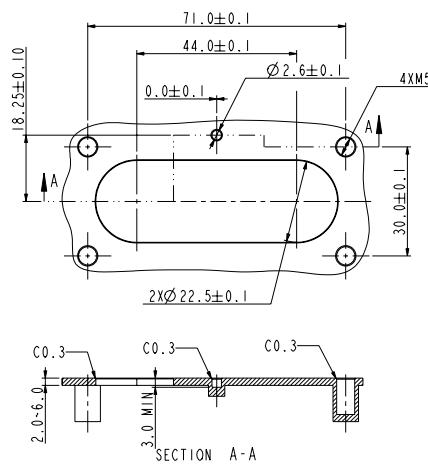
3 PIN RECEPTACLE



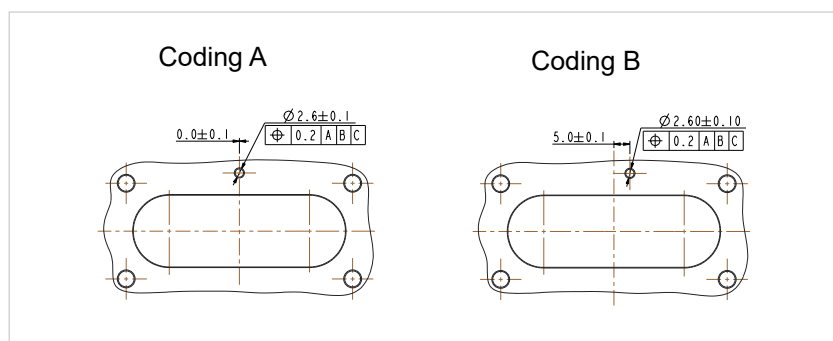
INSERT ORIENTATIONS



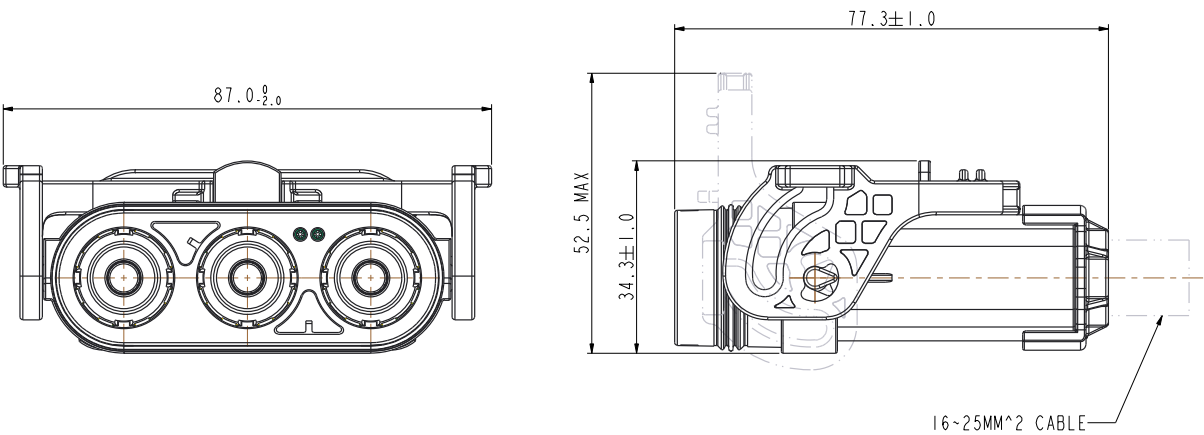
PANEL MOUNTING DIMENSIONS



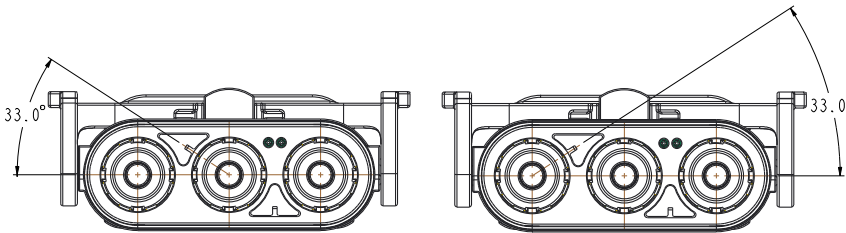
INSERT ORIENTATIONS



3 PIN STRAIGHT PLUG

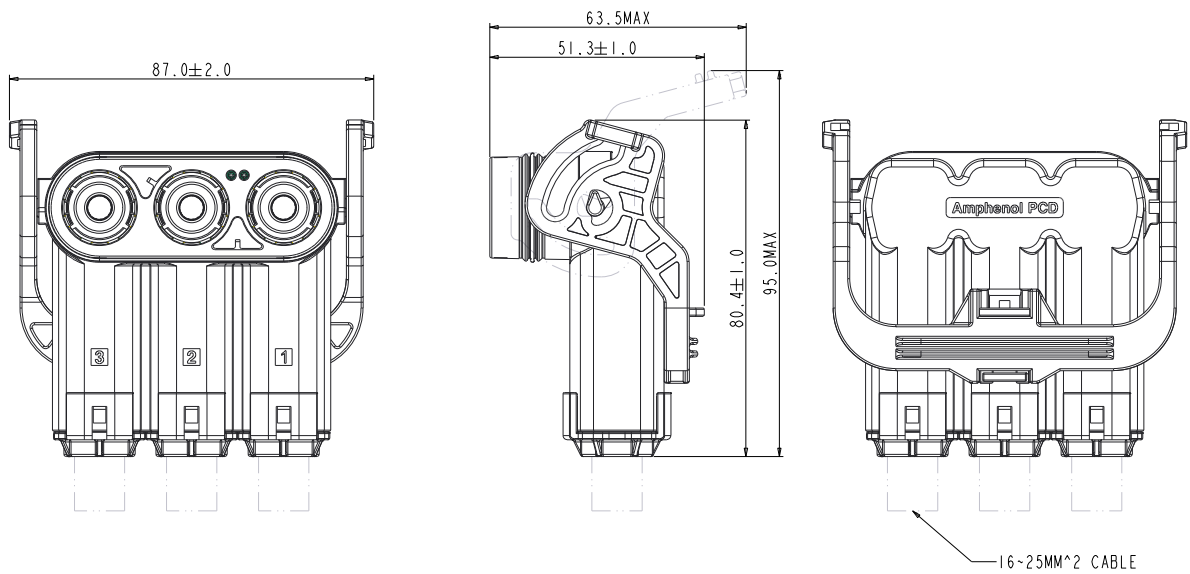


INSERT ORIENTATIONS

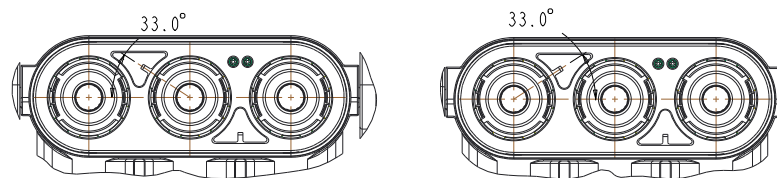


	Coding A	Coding B
P/N	HVSLS600 06 3 A	HVSLS600 06 3 B

3 PIN RIGHT ANGLE PLUG

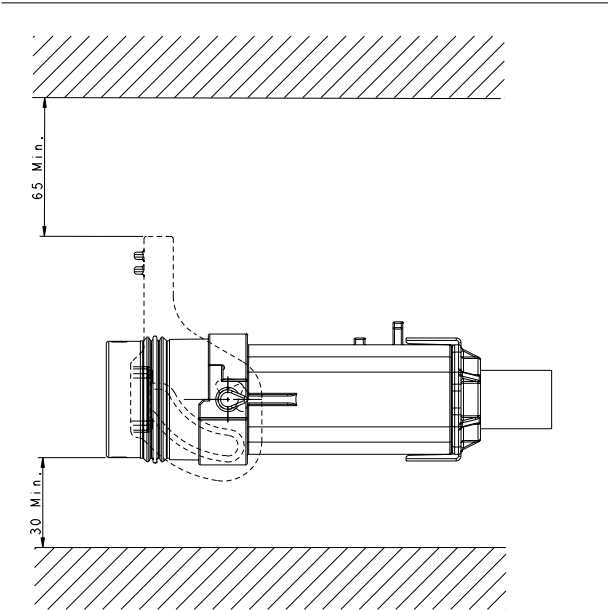


INSERT ORIENTATIONS



	Coding A	Coding B
P/N	HVSLS600 08 2 A	HVSLS600 08 2 B

INSTALLATION CLEARANCE



Remark:

Customer needs to use fixture HVSLP033002 with Stanley torque wrench sleeve (purchased by the customer) for assembling the finish product HVSLS600082.

TOOL FOR RIGHT ANGLE PLUGS



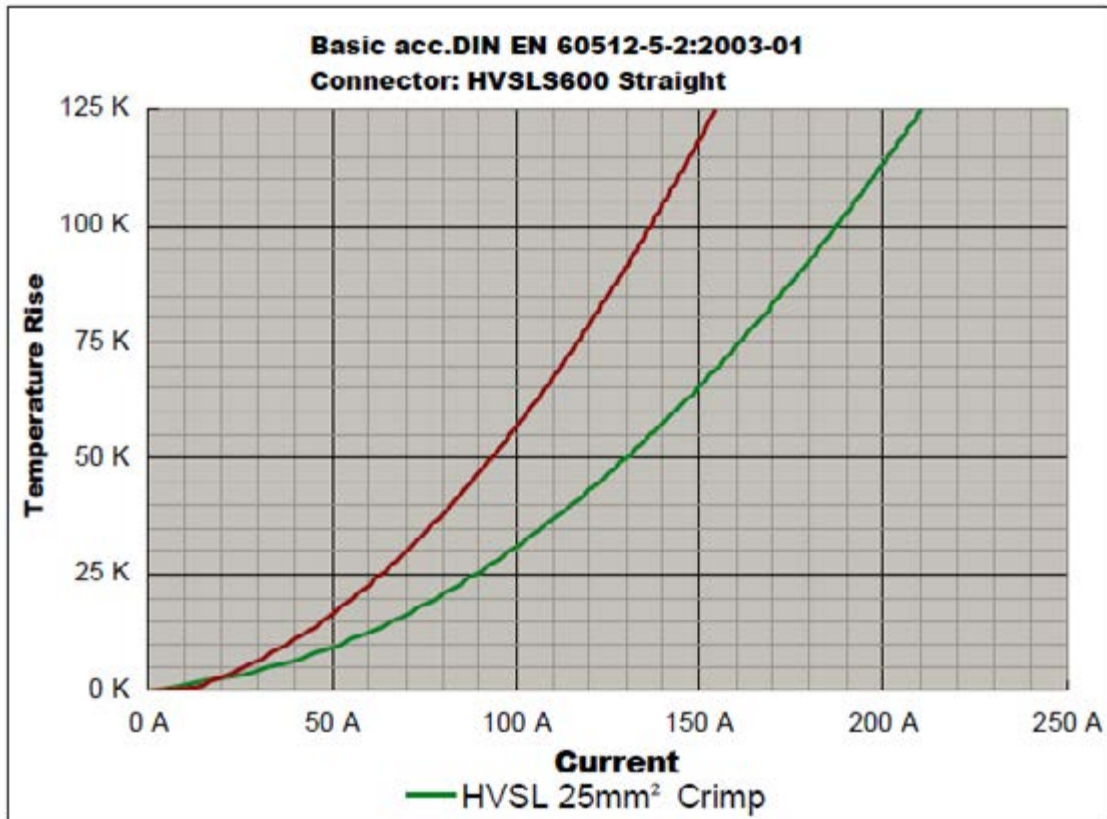
HOW TO ORDER: PLUG

	HVSLS600	06	2	A	0	16
Product type: 06: Straight plug 08: Right angle plug						
Position: 2: 2 position 3: 3 position						
Coding / Alternate position: A: Coding A B: Coding B						
Interlock: 0: Without interlock 1: With interlock						
Cable size: 16: 16mm ² cable 25: 25mm ² cable						

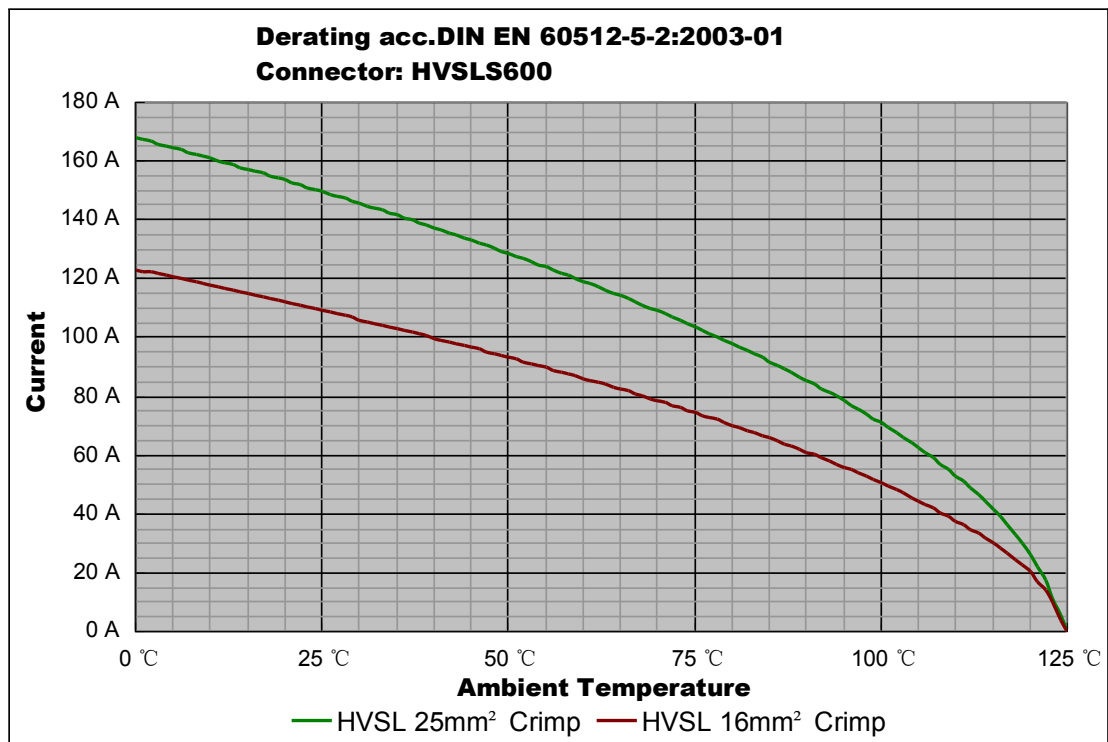
HOW TO ORDER: RECEPTACLE

	HVSLS600	02	2	A	0	H6
Product type: 02: Box mounted receptacle						
Position: 2: 2 position 3: 3 position						
Coding / Alternate position: A: Coding A B: Coding B						
Interlock: 0: Without interlock 1: With interlock						
Cable size: H6: OT terminal						

HVSLS 600 | Temperature Rise



HVSLS 600 | Derating Curve



Remark: tests carried out on the complete connector.