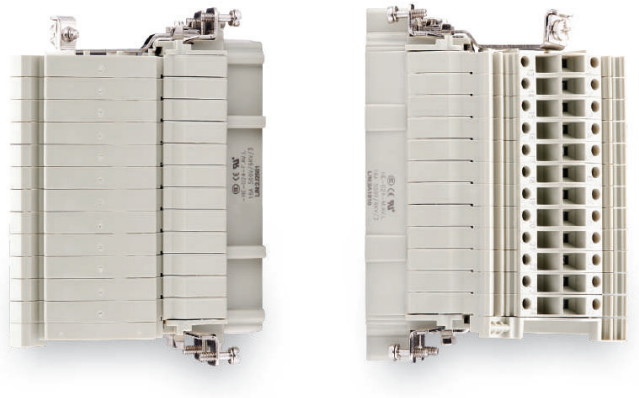
HE AV SERIES

Extendible connector



HE AV SERIES Extendible inserts

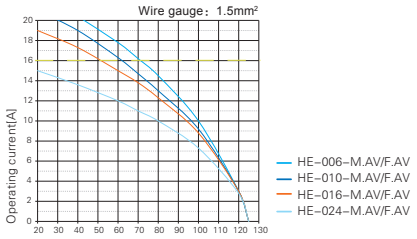
Technical characteristics

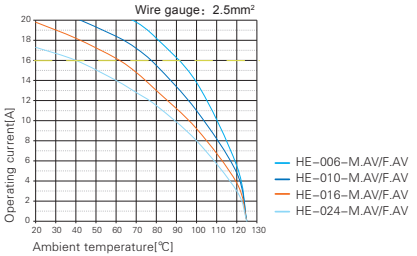
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	6,10,16,24+PE
Electrical data acc. to EN 61 984	
–Rated current	16A
–Rated voltage	500V
–Rated impulse voltage	6KV
–Pollution degree	3
–Pollution degree 2 also	16A 400/690V 6kV 2
Rated voltage acc. to UL	600V
Insulation resistance	⩾10^{10}Ω
Material	polycarbonate
Limiting temperatures	–40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	⩾500
Contacts	
Material	copper alloy
Surface	
– mating side	hard–silver plated
– termination side	tin plated
Contact resistance	⩽4mΩ
Screw terminal	
– Wire gauge	0.2–2.5mm²
– AWG	24–14
– Tightening/test torque	0.5Nm
Cage clamp terminal	
– Wire gauge	0.14–2.5mm²
– AWG	26–14

Current carrying capacity

The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

Control and test procedures according to DIN EN 60512–5





HE AV Extendible inserts

huafeng smiths interconnect

500V 16A 6+⏚

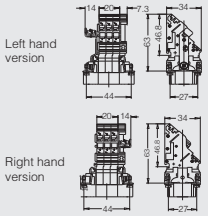
Hoods/Housings：size 6B bulkhead mounted housings.
For the HEAV extendible inserts assembly instructions pls see the 09-13 page

Inserts

Male, Screw terminal



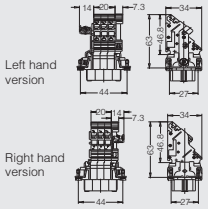
Size	Description	Designation	Order No.
6B	left hand version	HE−006−M.AV.L	122 006 011 0101
6B	right hand version	HE−006−M.AV.R	122 006 011 0102



Female, Screw terminal



Size	Description	Designation	Order No.
6B	left hand version	HE−006−F.AV.L	122 006 021 0101
6B	right hand version	HE−006−F.AV.R	122 006 021 0102



HE AV Extendible inserts

huafeng smiths interconnect

500V 16A 10+⏚

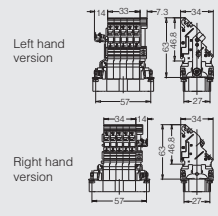
Hoods/Housings：size 10B bulkhead mounted housings.
For the HEAV extendible inserts assembly instructions pls see the 09-13 page

Inserts

Male, Screw terminal



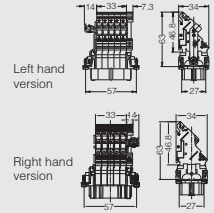
Size	Description	Designation	Order No.
10B	left hand version	HE−010−M.AV.L	122 010 011 0101
10B	right hand version	HE−010−M.AV.R	122 010 011 0102



Female, Screw terminal



Size	Description	Designation	Order No.
10B	left hand version	HE−010−F.AV.L	122 010 021 0101
10B	right hand version	HE−010−F.AV.R	122 010 021 0102



HE AV Extendible inserts

500V 16A 16+⏚

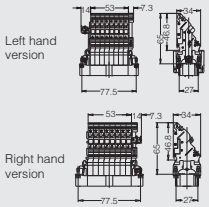
Inserts

Hoods/Housings：size 16B bulkhead mounted housings.
For the HEAV extendible inserts assembly instructions pls see the 09-13 page

Male, Screw terminal



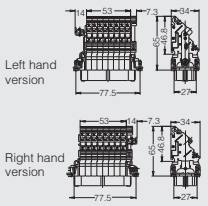
Size	Description	Designation	Order No.
16B	left hand version	HE−016−M.AV.L	122 016 011 0101
16B	right hand version	HE−016−M.AV.R	122 016 011 0102



Female, Screw terminal



Size	Description	Designation	Order No.
16B	left hand version	HE−016−F.AV.L	122 016 021 0101
16B	right hand version	HE−016−F.AV.R	122 016 021 0102



HE AV Extendible inserts

500V 16A 24+⏚

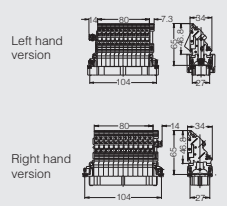
Inserts

Hoods/Housings：size 24B bulkhead mounted housings.
For the HEAV extendible inserts assembly instructions pls see the 09-13 page

Male, Screw terminal



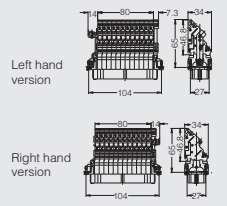
Size	Description	Designation	Order No.
24B	left hand version	HE−024−M.AV.L	122 024 011 0101
24B	right hand version	HE−024−M.AV.R	122 024 011 0102



Female, Screw terminal



Size	Description	Designation	Order No.
24B	left hand version	HE−024−F.AV.L	122 024 021 0101
24B	right hand version	HE−024−F.AV.R	122 024 021 0102



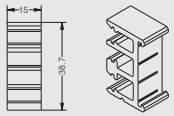
huafeng smiths interconnect

Using the fixing element can secure the HE AV insert inside the switch cabinet on standard rails.

Fixing element



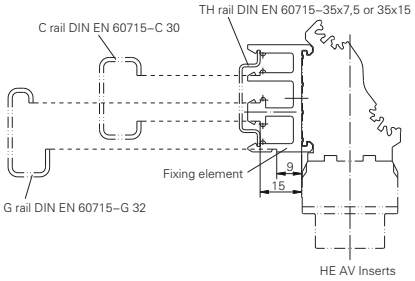
Description	Designation	Order No.
for terminal block connector	FE–EAV	198 002 003 0022



Examples for Installstion

Introductions

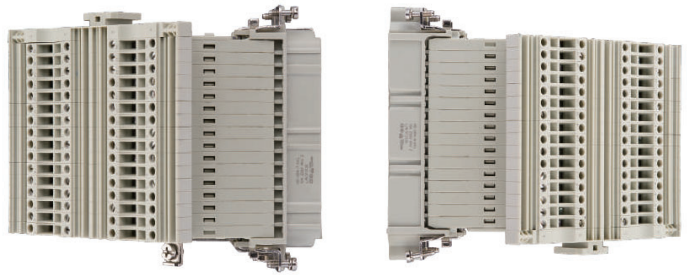
HE–006 =1pcs
HE–010,HE–016,HE–024 =2pcs



huafeng smiths interconnect

HD AV SERIES

Extendible connector



HD AV SERIES

Technical characteristics

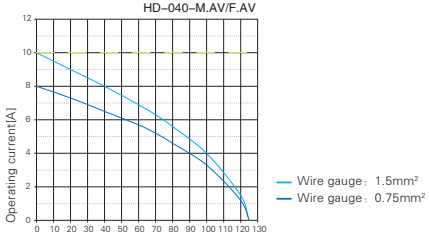
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	EAC
Inserts	
Number of contacts	40,64+PE
Electrical data acc. to EN 61 984	
–Rated current	10A
–Rated voltage	250V
–Rated impulse voltage	4KV
–Pollution degree	3
–Pollution degree 2 also	10A 230/400V 4kV 2
Rated voltage acc. to UL	600V
Insulation resistance	⩾10^{10}Ω
Material	polycarbonate
Limiting temperatures	–40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	⩾500
Contacts	
Material	copper alloy
Surface	
– mating side	hard–silver plated
– termination side	tin plated
Contact resistance	⩽10mΩ
Screw terminal	
– Wire gauge	0.2–2.5mm²
– AWG	24–14
– Tightening/test torque	0.5Nm

Current carrying capacity

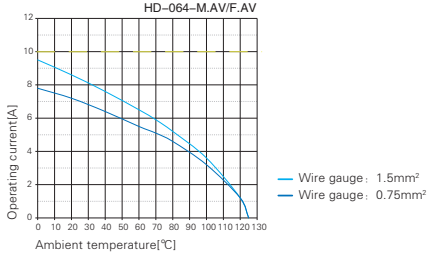
The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

Control and test procedures according to DIN EN 60512–5

HD–040–M.AV/F.AV



HD–064–M.AV/F.AV



250V 10A 40+⏚

EAC

Inserts

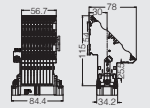
Hoods/Housings：size 16B bulkhead mounted housings.
For the HDAV extendible inserts assembly instructions pls see the 09-13 page

Male, Screw terminal

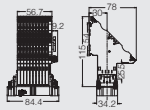


Size	Description	Designation	Order No.
16B	left hand version	HD–040–M.AV.L	125 040 011 0101
16B	right hand version	HD–040–M.AV.R	125 040 011 0102

Left hand version



Right hand version

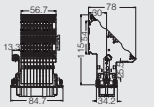


Female, Screw terminal

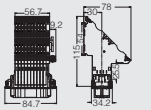


Size	Description	Designation	Order No.
16B	left hand version	HD–040–F.AV.L	125 040 021 0101
16B	right hand version	HD–040–F.AV.R	125 040 021 0102

Left hand version



Right hand version



HD AV Extendible inserts

250V 10A 64+⏚

EAC

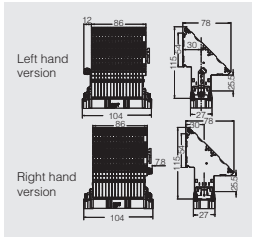
Inserts

Hoods/Housings；size 24B bulkhead mounted housings.
For the HDAV extendible inserts assembly instructions pls see the 09-13 page

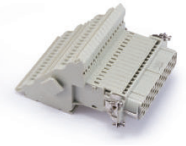
Male, Screw terminal



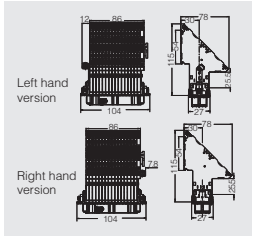
Size	Description	Designation	Order No.
24B	left hand version	HD–064–M.AV.L	125 064 011 0101
24B	right hand version	HD–064–M.AV.R	125 064 011 0102



Female, Screw terminal



Size	Description	Designation	Order No.
24B	left hand version	HD–064–F.AV.L	125 064 021 0101
24B	right hand version	HD–064–F.AV.R	125 064 021 0102

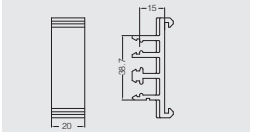


Using the fixing element can secure the HD AV insert inside the switch cabinet on standard rails.

Fixing element



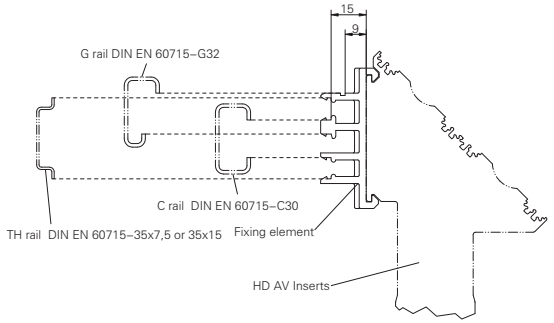
Description	Designation	Order No.
for terminal block connector	FE–DAV	198 002 003 0034



Examples for Installstion

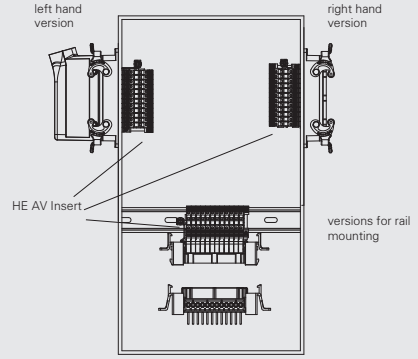
Introductions

HD–040,HD–064 =2pcs

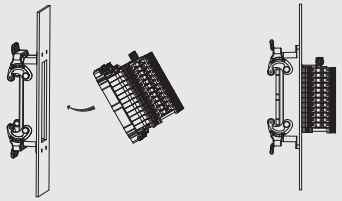


HE AV Assembly

Possibilities in switch cabinet
The connector can be mounted in the switch cabinet on the left or right side, therefore it is allowed to use the same prepared interface cable.



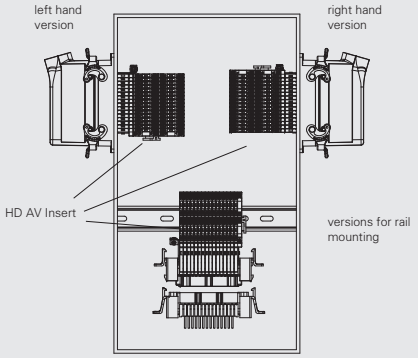
Assembly of terminal block connectors



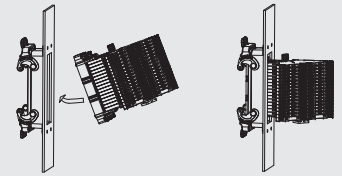
Method I: installed on standard 24B bulkhead housings
Install the insert on the housing from the the inside of the cabinet with a 45° angle, and the gound connection must be installed first. After the insert is completely installed in the housing, lock the insert with four grounding screws.

HD AV Assembly

Possibilities in switch cabinet
The connector can be mounted in the switch cabinet on the left or right side, therefore it is allowed to use the same prepared interface cable.



Assembly of terminal block connectors



Method I: installed on standard 24B bulkhead housings
Install the insert on the housing from the the inside of the cabinet with a 45° angle, and the gound connection must be installed first. After the insert is completely installed in the housing, lock the insert with four grounding screws.

