INTERFACE BLOCKS
### RECEIVER

**170-pol Signal block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585015</td>
<td>IFB R - 170 - Pk W WireWrap</td>
</tr>
<tr>
<td>585045</td>
<td>IFB R - 170 - Pk L Solder connection</td>
</tr>
<tr>
<td>585046</td>
<td>IFB R - 170 - Pk R Round</td>
</tr>
</tbody>
</table>

- Receiver block 170-polig / pyramid small (Pk)
- Material: 6mm EGS619
- Spring contact -head shape = pyramid small (RSP 2T)
- Receptacle with WireWrap aligned / Solder / Round connection
- Tip height = 6,2mm
- Recommend stroke: 2,6mm
- Grid dimensions = 2,54mm
- Max. current rating 1A

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585042</td>
<td>IFB R - 170 - Pg W WireWrap</td>
</tr>
<tr>
<td>585049</td>
<td>IFB R - 170 - Pg L Solder connection</td>
</tr>
<tr>
<td>585050</td>
<td>IFB R - 170 - Pg R Round</td>
</tr>
</tbody>
</table>

- Receiver block 170-polig / pyramid large (Pg)
- Material: 6mm EGS619
- Spring contact -head shape = pyramid large (IP 5411)
- Receptacle with WireWrap aligned / Solder / Round connection
- Tip height = 6,2mm
- Recommend stroke: 2,6mm
- Grid dimensions = 2,54mm
- Max. current rating 1A

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585010</td>
<td>IFB R - 170 - D W WireWrap</td>
</tr>
<tr>
<td>585051</td>
<td>IFB R - 170 - D L Solder connection</td>
</tr>
<tr>
<td>585052</td>
<td>IFB R - 170 - D R Round</td>
</tr>
</tbody>
</table>

- Receiver block 170-polig / dagger (D)
- Material: 6mm EGS619
- Spring contact -head shape = dagger (GP 541 B)
- Receptacle with WireWrap aligned / Solder / Round connection
- Tip height = 5,2mm
- Recommend stroke: 2,6mm
- Grid dimensions = 2,54mm
- Max. current rating 1A

### FIXTURE SIDE

**170-pol Signal block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585040</td>
<td>IFB I - 170 - IK06 - W - A aligned</td>
</tr>
</tbody>
</table>

- Fixture block 170-polig / small inner cone (IK06)
- Material: 6mm EGS619
- Contact with inner cone 0,6mm (IK06 - IF55 / gilded)
- Connection via WireWrap
- Grid dimensions = 2,54mm
- Max. current rating 1A

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585039</td>
<td>IFB I - 170 - IK10 - W - A aligned</td>
</tr>
</tbody>
</table>

- Fixture block 170-polig / large inner cone (IK10)
- Material: 6mm EGS619
- Contact with inner cone 1,0mm (IK10 - SIP 90-3)
- Connection via WireWrap
- Grid dimensions = 2,54mm
- Max. current rating 1A

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585041</td>
<td>IFB I - 170 - P - W - A aligned</td>
</tr>
</tbody>
</table>

- Fixture block 170-polig / plan (P)
- Material: 6mm EGS619
- Contact = plan (SIP 90-2)
- Connection via WireWrap
- Grid dimensions = 2,54mm
- Max. current rating 1A
### RECEIVER

136-pol Signal block

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585047</td>
<td>IFB R - 136 - Pk W WireWrap</td>
</tr>
</tbody>
</table>

- Receiver block 136-polig / pyramid small (Pk)
- Material: 6mm EGS619
- Spring contact - head shape = pyramid small
- Receptacle with WireWrap aligned
- Tip height = 4.3mm
- Recommend stroke: 2.6mm
- Grid dimensions = 2.54mm
- Max. current rating 1A

### FIXTURE SIDE

136-pol Signal block

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585048</td>
<td>IFB I - 136 - IK06 W WireWrap</td>
</tr>
</tbody>
</table>

- Fixture block 136-polig / small inner cone (IK06)
- Material: 6mm EGS619
- Contact with inner cone 0.6mm (IK06)
- Connection via WireWrap
- Grid dimensions = 2.54mm
- Max. current rating 1A

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>300071</td>
<td>IFB R - 136 - D W WireWrap</td>
</tr>
</tbody>
</table>

- Receiver block 136-polig / dagger (D)
- Material: 6mm EGS619
- Spring contact - head shape = dagger
- Receptacle with WireWrap aligned
- Tip height = 7.6mm
- Recommend stroke: 2.6mm
- Grid dimensions = 2.54mm
- Max. current rating 1A

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>300073</td>
<td>IFB I - 136 - P W WireWrap</td>
</tr>
</tbody>
</table>

- Fixture block 136-polig / plan (P)
- Material: 6mm EGS619
- Contact = plan
- Connection via WireWrap
- Grid dimensions = 2.54mm
- Max. current rating 1A

---

### RECEIVER

- IFB = Interface block
- R = Receiver
- 170 = Amount of contacts
- Pk / Pg / D = Head shape
- WW / L / R = Receptacle pin
- HS = High current / addition
- 4A = Value

### FIXTURE SIDE

- IFB = Interface block
- I = ITA / Fixture side
- 170 = Amount of contacts
- IK / P = Head shape
- W = Contact connection
- HS = High current / addition
- 4A = Value
**RECEIVER**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>585060</td>
<td>IFB R - 085 - Pk W</td>
<td>Receiver block 85-polig / pyramid small (Pk)</td>
</tr>
<tr>
<td>585044</td>
<td>IFB R - 085 - Pk L</td>
<td>Receiver block 85-polig / pyramid small (Pk)</td>
</tr>
<tr>
<td>585059</td>
<td>IFB R - 085 - D W</td>
<td>Receiver block 85-polig / dagger (D)</td>
</tr>
<tr>
<td>585062</td>
<td>IFB R - 085 - D L</td>
<td>Receiver block 85-polig / dagger (D)</td>
</tr>
</tbody>
</table>

- Receiver block 85-polig / pyramid small (Pk)
- Material: 6mm EGS619
- Spring contact head shape = pyramid small
- Receptacle with WireWrap aligned / Solder connection
- Tip height = 6.2mm
- Recommend stroke: 2.6mm
- Grid dimensions = 2.54mm
- Max. current rating 1A

**FIXTURE SIDE**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>585056</td>
<td>IFB I - 085 - IK06 W</td>
<td>Fixture block 85-polig / small inner cone (IK06)</td>
</tr>
<tr>
<td>585061</td>
<td>IFB I - 085 - P W</td>
<td>Fixture block 85-polig / plan (P)</td>
</tr>
</tbody>
</table>

- Fixture block 85-polig / small inner cone (IK06)
- Material: 6mm EGS619
- Contact with inner cone 0.6mm (IK06 - IF55 / gilded)
- Connection via WireWrap
- Grid dimensions = 2.54mm
- Max. current rating 1A

- Fixture block 85-polig / plan (P)
- Material: 6mm EGS619
- Contact = plan (SIP 90-2)
- Connection via WireWrap
- Grid dimensions = 2.54mm
- Max. current rating 1A
## Receiver

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585017</td>
<td>IFB R - 40 - Pk W WireWrap</td>
</tr>
</tbody>
</table>

- Receiver block 40-polig / pyramid small (Pk)
- Material: 6mm EGS619
- Spring contact -head shape = pyramid small
- Receptacle with WireWrap aligned
- Tip height 4.3mm
- Air distance (not wired) 3.18mm
- Recommend stroke: 2.6mm
- Max. current rating 3A

### IFB = Interface block
- I = Receiver
- 170 = Amount of contacts
- Pk / Pg / D = Head shape
- WW / L / R = Receptacle pin
- HS = High current / addition
- 4A = Value

## Fixture Side

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585019</td>
<td>IFB I - 40 - IK06 W WireWrap</td>
</tr>
</tbody>
</table>

- Fixture block 40-polig / small inner cone (IK06)
- Material: 6mm EGS619
- Contact with inner cone 0.6mm (IK06 - KT-158 06)
- Connection via WireWrap
- Max. current rating 3A

### IFB = Interface block
- I = ITA / Fixture side
- 170 = Amount of contacts
- IK / P = Head shape
- W = Contact connection
- HS = High current / addition
- 4A = Value
8-pol High current block

- Loaded with KS-150 M3
- Loaded with HSS-150 317 300 A 5002 M
- Power stroke 4,4mm
- Air distance (not wired) 1,6mm
- Max. current rating 50A
- Max. current rating all Test Probes 25A
- Max. power loss*: 25W
- Connection via cable lug

24-pol High current block

- Loaded with KS-113 30 M2R
- Loaded with HSS-120 317 300 A 2202 M
- Power stroke 4,0mm
- Air distance (not wired) 2,4mm
- Max. current rating 24A
- Max. current rating all Test Probes 16A
- Max. power loss*: 25W
- Connection via Solder connection

32-pol High current block

- Loaded with waffle (VGRCB-32P)
- Tension 250VAC
- Power 20A
- Contact resistance 5mΩ
- Absorbing capacity 21pf
- Inductance 3nH
- Stability 25,000 cycle
- Solder connection
- Max. power loss*: 25W

Fixtures Side

8-pol High current block

- Loaded with KT-150 L3 E03-M3

24-pol High current block

- Loaded with KT-120 L3 E02-30

32-pol High current block

- Loaded with planem IF-Contact (VGFCB-32P)
**RECEIVER**

45-pol High current block

- Loaded with KS-113 30 M2R
- Loaded with HSS-120 317 300 A 1502 M
- Power stroke 4,0mm
- Air distance (not wired) 1,48mm
- Max. current rating 24A
- Max. current rating all Test Probes 10A
- Max. power loss*: 25W
- Connection via Solder connection

---

**FIXTURE SIDE**

45-pol High current block

- Loaded with KT-120-L3 E02-30

---

* Please consider that the maximum current rate is valid for the use of a single pin. Using multiple pins the maximum current rate per pin is decreased because of the heat resulting by the contact resistance. It can be assumed a maximum power loss of 25W.

Formular of calculation:

\[ P = I^2 R \]

~ 7 ~
### RECEIVER

**8-pol Pneumatikblock**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585057</td>
<td>IFB R 008 open Brass</td>
</tr>
</tbody>
</table>

- Loaded with KSV-PK-3 (462011)

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>469028</td>
<td>IFB R 008 disabled Synthetic</td>
</tr>
</tbody>
</table>

- With bushing contact with shutoff device HAH-High current bushing (278256)

**13-pol Pneumatikblock**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>281084</td>
<td>IFB R 013 open Brass</td>
</tr>
</tbody>
</table>

- Loaded with KSV-PK-6 (VGRCB-13 Pneu)

### FIXTURE SIDE

**8-pol Pneumatikblock**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585055</td>
<td>IFB I 008 open Brass</td>
</tr>
</tbody>
</table>

- Loaded with KDV-PK-3 (460043)

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>469025</td>
<td>IFB I 008 open Synthetic</td>
</tr>
</tbody>
</table>

- With pin contact HAH-Modul open (278255)

**13-pol Pneumatikblock**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>283121</td>
<td>IFB I 013 open Brass</td>
</tr>
</tbody>
</table>

- Loaded with KDV-PK-6 (VGFCB-13 Pneu)
**RECEIVER**

13-pol Coax block

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>281062</td>
<td>I FB R - 13 - Koax</td>
</tr>
</tbody>
</table>

- (VGRCB-13C)
- Tension 250VAC
- Power 5A
- Contact resistance 39mΩ
- Impedance 50Ω
- Line resources 3.7GHz (-3db)
- Absorbing capacity 8,8pf
- Inductance 42mH
- Stability 25,000 cycle
- Grid connection SMB
- Max. power loss *: 25W

**FIXTURE SIDE**

13-pol Coax block

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>281068</td>
<td>I FB I - 13 - Koax</td>
</tr>
</tbody>
</table>

- (VGFCB-13C)
- Special block
  - Loaded with 2 pcs KDV-PK-3
  - 1 pcs special pressure connection
  - 66 pcs Sip 90-3

* Please consider that the maximum current rate is valid for the use of a single pin. Using multiple pins the maximum current rate per pin is decreased because of the heat resulting by the contact resistance. It can be assumed a maximum power loss of 25W.

**Formular of calculation:**

\[ P = I^2 R_i \]
### RECEIVER

**Combi block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585073</td>
<td>IFB R - 6 - NET - Body</td>
</tr>
</tbody>
</table>

- For 2 x USB 2.0 oder 3.0 + 2 x LAN + 2 x Pneumatic
- Empty body without contact parts

- **Contact parts:**
  - (278256) Pneumatic: HAN pressurized air module locked
  - (278257) USB 2 and 3.0: Male size 0 shielded, 10 pole (USB 3.0) cord set 250mm with USB3.0 Connector Type A (USB 2.0 compatible)
  - (278258) USB 2: Female size 0 shielded, 4 pole (USB) cord set 2000mm with USB2 Connector Type A
  - (278259) LAN - 10 Gigabit Ethernet: Female size 2 shielded, 8 pole (CAT6A) cord set 2000mm with RJ45 Connector
  - (585083) USB 2 and 3.0: Female size 0 shielded, 10 pole (USB 3.0) cord set 2000mm with USB3.0 Connector Type A (USB 2.0 compatible)
  - (585084) USB 2: Female size 0 shielded, 4 pole (USB) cord set 2000mm with USB2 Connector Type A
  - (585085) LAN - 10 Gigabit Ethernet: Female size 2 shielded, 8 pole (CAT6A) cord set 2000mm with RJ45 Connector

**80-4 pol Comib block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585113</td>
<td>IFB R - 080 - 04 - Combi - locked</td>
</tr>
</tbody>
</table>

- Loaded with SPR-2W-2
- Loaded with t RSP-2T
- Pneumatic: HanD Female locked
- Grid: 10mm - 10mm
- Material: GFK

### FIXTURE SIDE

**Combi block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585074</td>
<td>IFB I - 6 - NET - Body</td>
</tr>
</tbody>
</table>

- For 2 x USB 2.0 oder 3.0 + 2 x LAN + 2 x Pneumatic
- Empty body without contact parts

- **Contact parts:**
  - (278255) Pneumatic: HAN pressurized air module pin side
  - (278256) USB 2 and 3.0: Male size 0 shielded, 10 pole (USB 3.0) cord set 250mm with USB3.0 Connector Type A (USB 2.0 compatible)
  - (278257) USB 2: Female size 0 shielded, 4 pole (USB) cord set 250mm with USB2 Connector Type A
  - (278258) LAN - 10 Gigabit Ethernet: Female size 2 shielded, 8 pole (CAT6A) cord set 250mm with RJ45 Connector
  - (585083) USB 2 and 3.0: Male size 0 shielded, 10 pole (USB 3.0) cord set 2000mm with USB3.0 Connector Type A (USB 2.0 compatible)
  - (585084) USB 2: Male size 0 shielded, 4 pole (USB) cord set 2000mm with USB2 Connector Type A
  - (585085) LAN - 10 Gigabit Ethernet: Female size 2 shielded, 8 pole (CAT6A) cord set 2000mm with RJ45 Connector

**80-4 pol Comib block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585114</td>
<td>IFB I - 080 - 04 - Combi</td>
</tr>
</tbody>
</table>

- Loaded with SIP Contact (IKo6 / IF55)
- Pneumatic: HanD male
- Grid: 10mm - 10mm
- Material: GFK
RECEIVER

RCVR/Systemblock

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585087</td>
<td>IFB R - 21 - VTAC - Body</td>
</tr>
</tbody>
</table>

- High Speed VTAC 21pol empty 906021RVT

Contact parts:
- (585089) VTAC HSD RCVR signal cord set 900 mm USB 3.0 Typ A Male VPC7-142890690-036
- (585091) VTAC HSD RCVR signal cord set 900 mm USB 3.0 Typ A Female VPC7-142890691-036
- (585093) VTAC RCVR USB 3.0 signal cord set 900 mm Typ B Male VPC7-142890692-036
- (585095) VTAC HSD signal cord set 900 mm RJ45 VPC7-142893694-036
- (585097) VTAC, Blank Insert Kit (10 pcs.) RCVR/ITA VPC610151102
- (585098) VTAC HSD Extraction Tool for RCVR and ITA

FIXTURE SIDE

ITA/Adapterblock

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585088</td>
<td>IFB I - 21 - VTAC - Body</td>
</tr>
</tbody>
</table>

- High Speed VTAC 21pos. empty 906021IVT

Contact parts:
- (585090) VTAC HSD ITA signal cord set 900 mm USB 3.0 Typ A Male VPC7-141890690-036
- (585092) VTAC HSD ITA signal cord set 900 mm USB 3.0 Typ A Female 1-141890691-036
- (585094) VTAC HSD ITA signal cord set 900 mm USB 3.0 Typ B Male VPC7-141890692-036
- (585096) VTAC HSD ITA signal cord set 900 mm auf RJ45 VPC7-141893694-036
- (585097) VTAC, Blank Insert Kit (10 pcs.) RCVR/ITA VPC610151102
- (585098) VTAC HSD Extraction Tool for RCVR and ITA
**RECEIVER**

**Fibre optics block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585104</td>
<td>IFB R - 045 - LWL - 1mm</td>
</tr>
</tbody>
</table>

- Loaded with 45 x Receptacle LA-REC-10 (562016)
- Light separation sealing

**FIXTURE SIDE**

**Fibre optics block**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585103</td>
<td>IFB L - 045 - LWL - 1mm</td>
</tr>
</tbody>
</table>

- Loaded with 45 x Receptacle LA-REC-10 (562016)

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585106</td>
<td>IFB R - 045 - LWL - 2.2mm</td>
</tr>
</tbody>
</table>

- Loaded with 45 x Receptacle KS-220 (681014)
- Light separation sealing

<table>
<thead>
<tr>
<th>Order number</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>585105</td>
<td>IFB L - 045 - LWL - 2.2mm</td>
</tr>
</tbody>
</table>

- Loaded with 45 x Receptacle KS-220 (681014)
Would you like to find out more about us or get in touch with the appropriate contact person? You'll find the direct line on our website - together with your personal sales expert:

www.atx-hardware.de » Contact » Contact partner

We are committed to finding the optimal technical solution for you. Why not put us to the test!

ATX Hardware GmbH West
Subsidiary of ATX Hardware GmbH

Pürgen branch
Am Kornfeld 8
86932 Pürgen, Deutschland/Germany
Phone: +49 81 96 / 93 04 - 0
Telefax: +49 81 96 / 93 04 - 19
Email: projekte@atx-hardware.de
Web: www.atx-hardware.de

Weil branch
Carl-Zeiss-Straße 5/1
71093 Weil im Schönbuch, Deutschland/Germany
Phone: +49 81 96 / 93 04 - 345 or 349
Telefax: +49 81 96 / 93 04 - 359
Email: projekte@atx-hardware.de
Web: www.atx-hardware.de