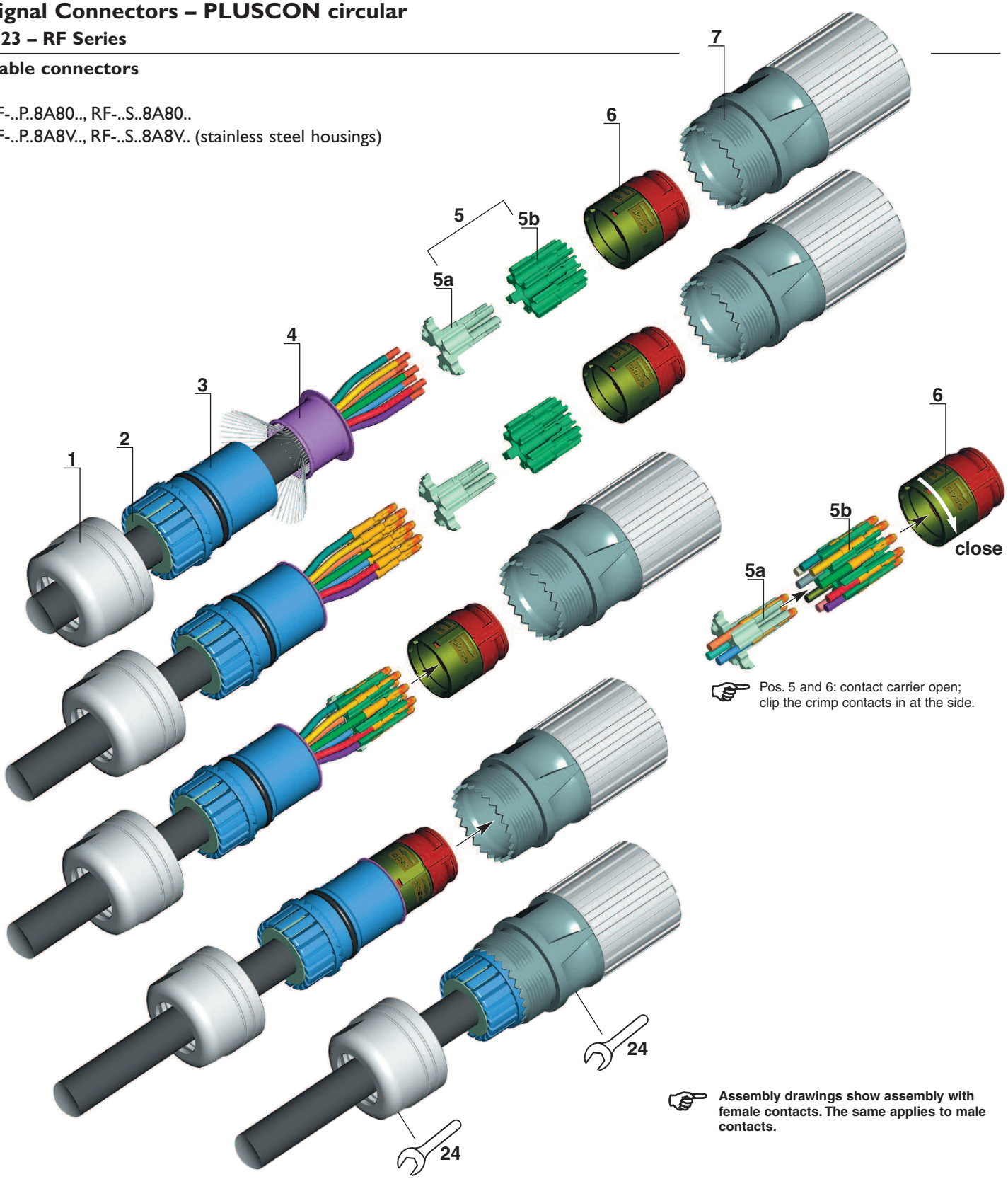
Cable connectors

RF-..P..8A80.., RF-..S..8A80..
RF-..P..8A8V.., RF-..S..8A8V.. (stainless steel housings)



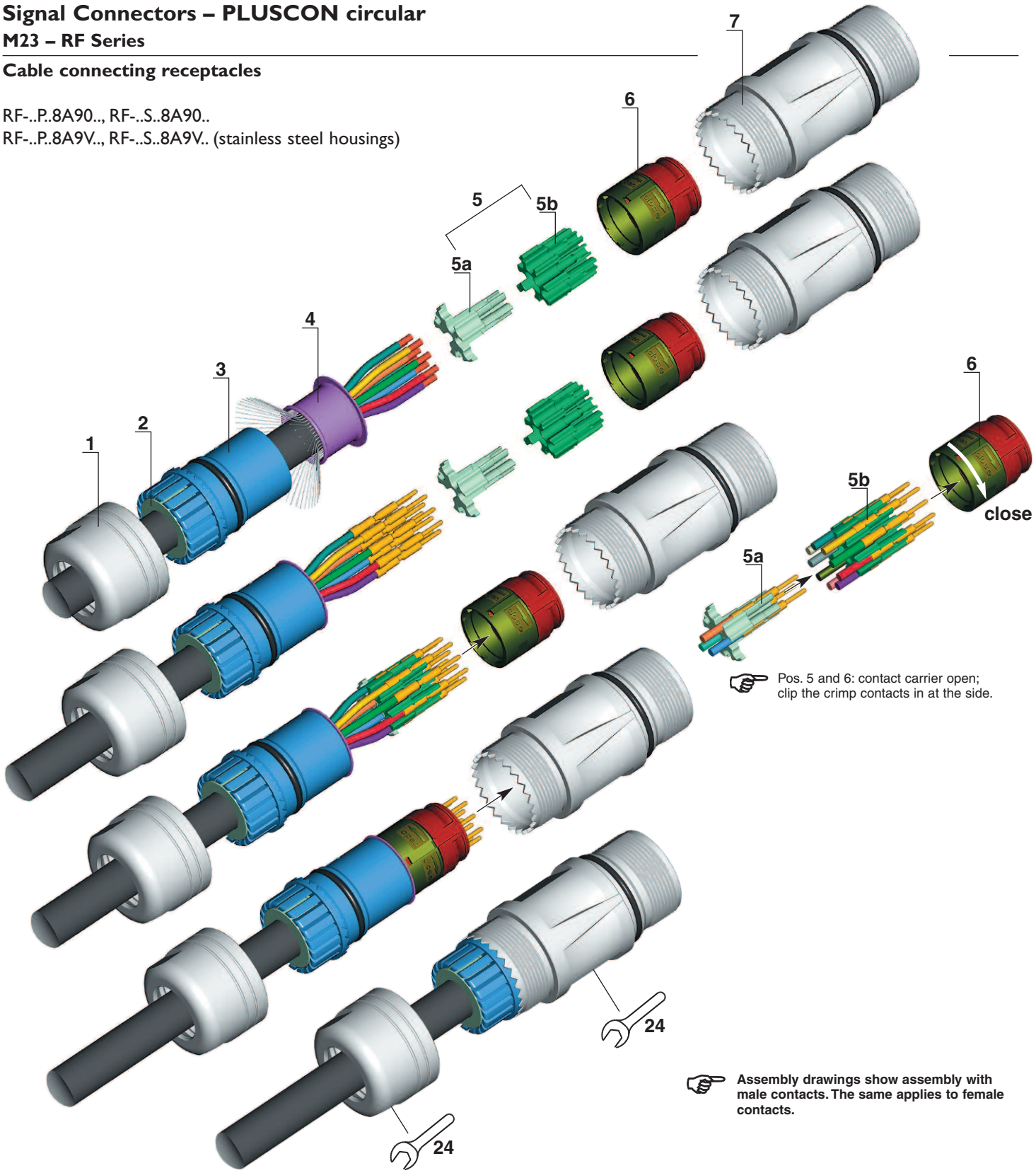
Pos. 5 and 6: contact carrier open; clip the crimp contacts in at the side.

Assembly drawings show assembly with female contacts. The same applies to male contacts.

- Push the adapter (1) and the sealing element (3) with the sealing ring (2) onto the cable.
- Strip the external cable sheath by approx. 28 mm.
- Trim and remove the foil, wadding and inner insulation.
- Fold the braided screen up backwards. It is not necessary to unbraid or cut off the braided screen.
- Push the metal screen sleeve (4) over the braided screen from the front until the right collar of the screen sleeve is flush with the cable sheath.
- Push protruding braided screen up somewhat.
- Push the unit (2+3) together over the braided screen at (4) as far as it will go. The braided screen is thereby folded.
- Crimp the contacts to the conductors. Stripping lengths depend on the contact used; see setting matrix under crimping tools.
  Note: The contacts can also be crimped before the shield is put on.
- Clip the contacts into the sides of the contact carrier (5). Observe the contact chamber marking. First equip the inside part (5a) with contacts and push it into the outer contact carrier (5b) (observe the marking for assistance).
- Turn the ring of the insulating body sleeve (6) to the “open” position. Push the unit (5a+5b) into the insulating body sleeve (6). Lock (6) by turning the ring in the direction of “close”. When locked correctly, the coding grooves form a line and the contact carrier (5+6) cannot be separated.
- Push the shielding block (2+3+4) onto the insulating body so that a “unit” is created. Fit the unit in the housing (7). Observe the position of the coding groove.
- Screw the adapter (1) tight, **torque 7 Nm**.
  Stainless steel housings: screw the adapter (1) tight to the stop.

Cable connecting receptacles

RF-..P..8A90.., RF-..S..8A90..
RF-..P..8A9V.., RF-..S..8A9V.. (stainless steel housings)



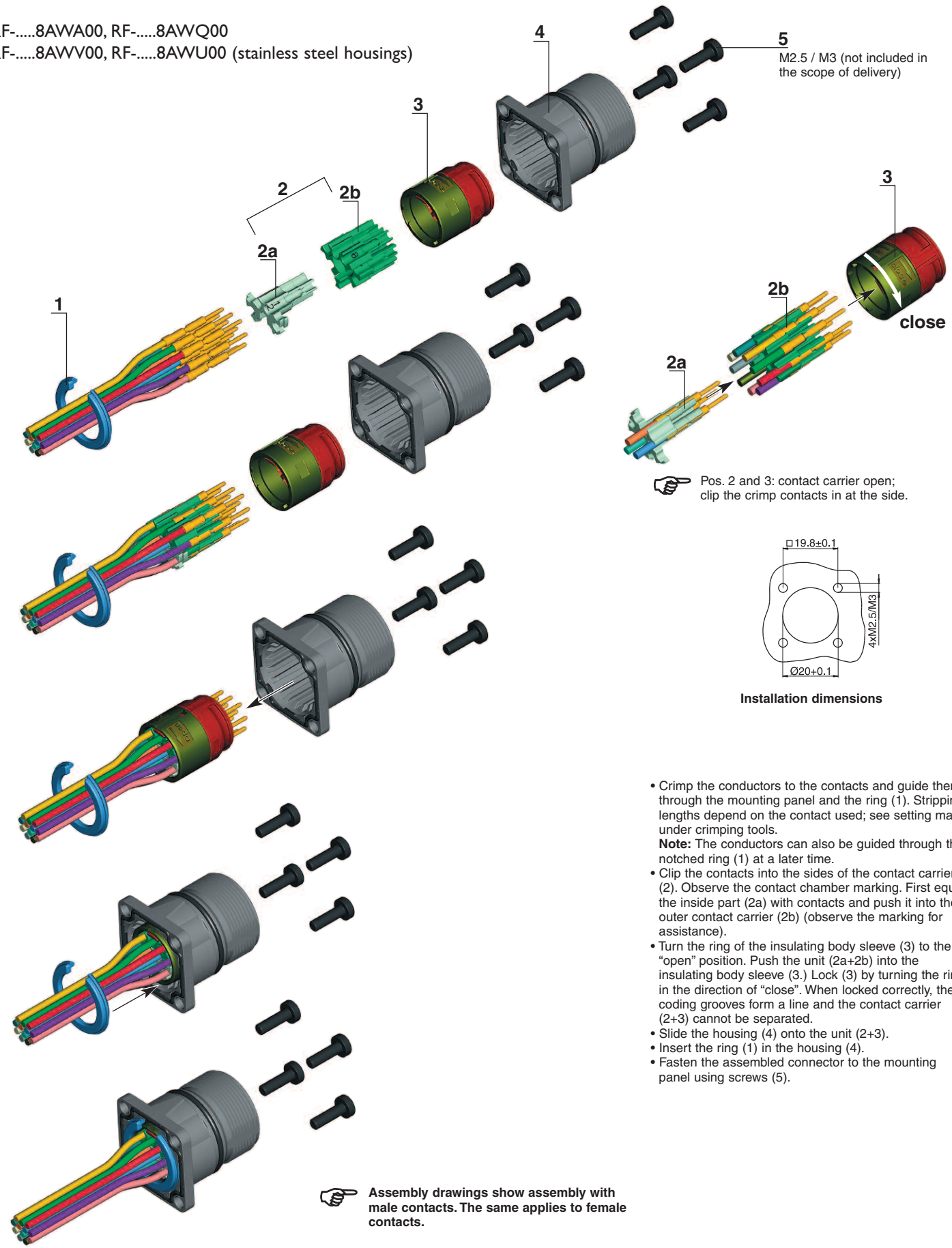
Pos. 5 and 6: contact carrier open; clip the crimp contacts in at the side.

Assembly drawings show assembly with male contacts. The same applies to female contacts.

- Push the adapter (1) and the sealing element (3) with the sealing ring (2) onto the cable.
- Strip the external cable sheath by approx. 28 mm.
- Trim and remove the foil, wadding and inner insulation.
- Fold the braided screen up backwards. It is not necessary to unbraid or cut off the braided screen.
- Push the metal screen sleeve (4) over the braided screen from the front until the right collar of the screen sleeve is flush with the cable sheath.
- Push protruding braided screen up somewhat.
- Push the unit (2+3) together over the braided screen at (4) as far as it will go. The braided screen is thereby folded.
- Crimp the contacts to the conductors. Stripping lengths depend on the contact used; see setting matrix under crimping tools.
  Note: The contacts can also be crimped before the shield is put on.
- Clip the contacts into the sides of the contact carrier (5). Observe the contact chamber marking. First equip the inside part (5a) with contacts and push it into the outer contact carrier (5b) (observe the marking for assistance).
- Turn the ring of the insulating body sleeve (6) to the "open" position. Push the unit (5a+5b) into the insulating body sleeve (6). Lock (6) by turning the ring in the direction of "close". When locked correctly, the coding grooves form a line and the contact carrier (5+6) cannot be separated.
- Push the shielding block (2+3+4) onto the insulating body so that a "unit" is created. Fit the unit in the housing (7). Observe the position of the coding groove.
- Screw the adapter (1) tight, **torque 7 Nm. Stainless steel housings: screw the adapter (1) tight to the stop.**

Panel mounting connectors straight

RF-.....8AWA00, RF-.....8AWQ00
RF-.....8AWV00, RF-.....8AWU00 (stainless steel housings)



Pos. 2 and 3: contact carrier open; clip the crimp contacts in at the side.

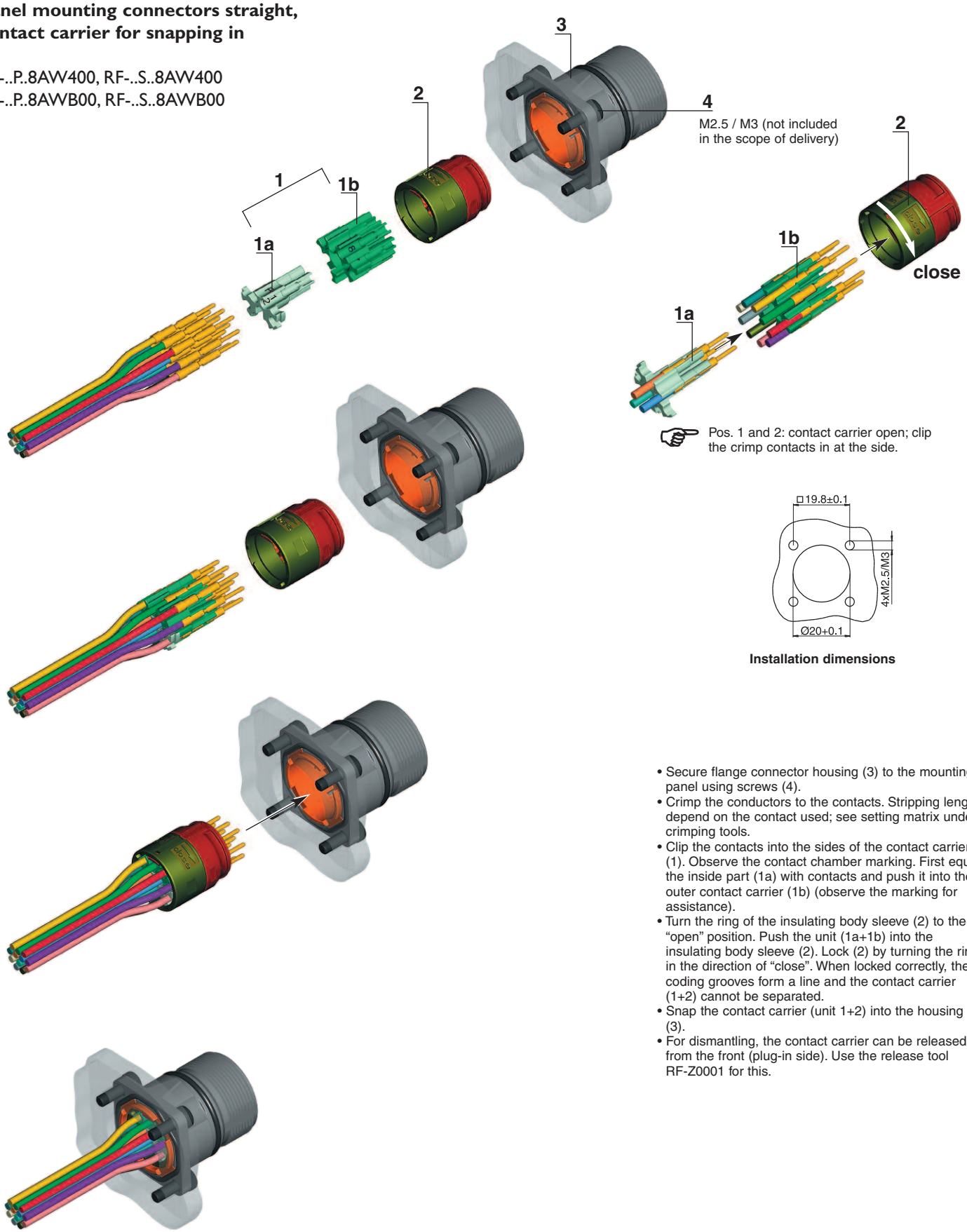
Installation dimensions

- Crimp the conductors to the contacts and guide them through the mounting panel and the ring (1). Stripping lengths depend on the contact used; see setting matrix under crimping tools.
  Note: The conductors can also be guided through the notched ring (1) at a later time.
- Clip the contacts into the sides of the contact carrier (2). Observe the contact chamber marking. First equip the inside part (2a) with contacts and push it into the outer contact carrier (2b) (observe the marking for assistance).
- Turn the ring of the insulating body sleeve (3) to the “open” position. Push the unit (2a+2b) into the insulating body sleeve (3.) Lock (3) by turning the ring in the direction of “close”. When locked correctly, the coding grooves form a line and the contact carrier (2+3) cannot be separated.
- Slide the housing (4) onto the unit (2+3).
- Insert the ring (1) in the housing (4).
- Fasten the assembled connector to the mounting panel using screws (5).

Assembly drawings show assembly with male contacts. The same applies to female contacts.

Panel mounting connectors straight, contact carrier for snapping in

RF-..P..8AW400, RF-..S..8AW400
RF-..P..8AWB00, RF-..S..8AWB00



Pos. 1 and 2: contact carrier open; clip the crimp contacts in at the side.

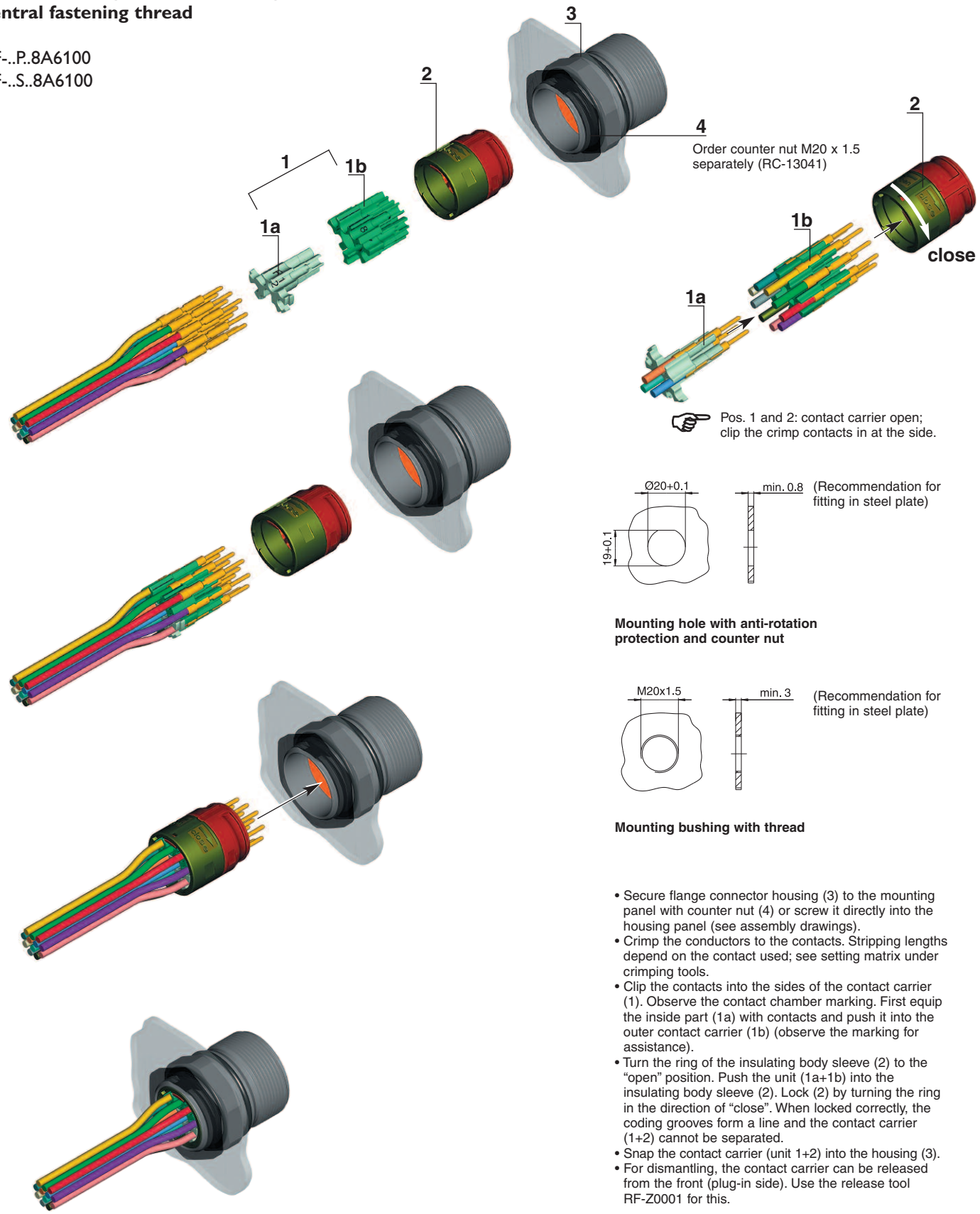
Installation dimensions

- Secure flange connector housing (3) to the mounting panel using screws (4).
- Crimp the conductors to the contacts. Stripping lengths depend on the contact used; see setting matrix under crimping tools.
- Clip the contacts into the sides of the contact carrier (1). Observe the contact chamber marking. First equip the inside part (1a) with contacts and push it into the outer contact carrier (1b) (observe the marking for assistance).
- Turn the ring of the insulating body sleeve (2) to the “open” position. Push the unit (1a+1b) into the insulating body sleeve (2). Lock (2) by turning the ring in the direction of “close”. When locked correctly, the coding grooves form a line and the contact carrier (1+2) cannot be separated.
- Snap the contact carrier (unit 1+2) into the housing (3).
- For dismantling, the contact carrier can be released from the front (plug-in side). Use the release tool RF-Z0001 for this.

Assembly drawings show assembly with male contacts. The same applies to female contacts.

Panel mounting connectors straight, central fastening thread

RF-..P..8A6100
RF-..S..8A6100



Pos. 1 and 2: contact carrier open; clip the crimp contacts in at the side.

(Recommendation for fitting in steel plate)

Mounting hole with anti-rotation protection and counter nut

(Recommendation for fitting in steel plate)

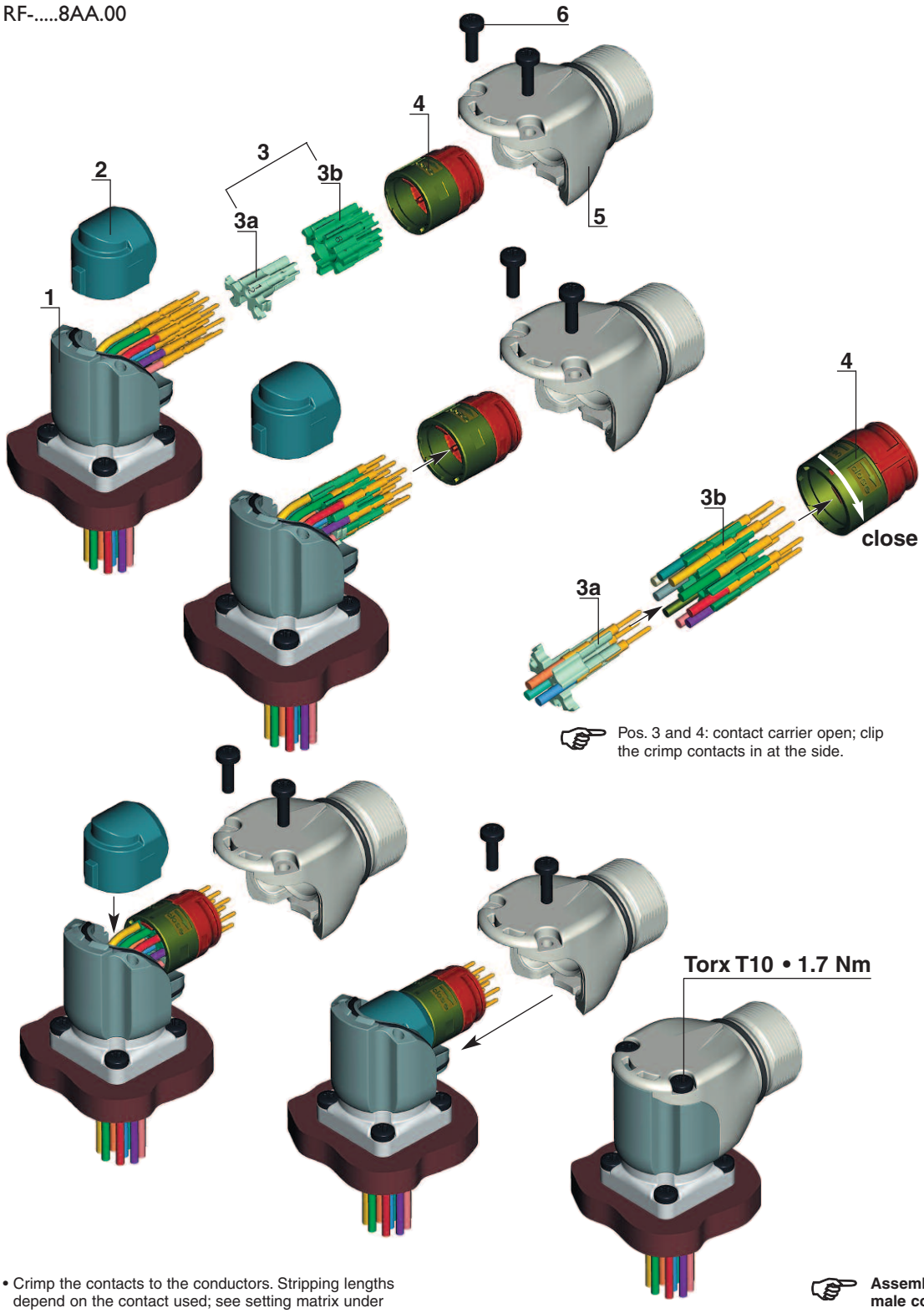
Mounting bushing with thread

- Secure flange connector housing (3) to the mounting panel with counter nut (4) or screw it directly into the housing panel (see assembly drawings).
- Crimp the conductors to the contacts. Stripping lengths depend on the contact used; see setting matrix under crimping tools.
- Clip the contacts into the sides of the contact carrier (1). Observe the contact chamber marking. First equip the inside part (1a) with contacts and push it into the outer contact carrier (1b) (observe the marking for assistance).
- Turn the ring of the insulating body sleeve (2) to the “open” position. Push the unit (1a+1b) into the insulating body sleeve (2). Lock (2) by turning the ring in the direction of “close”. When locked correctly, the coding grooves form a line and the contact carrier (1+2) cannot be separated.
- Snap the contact carrier (unit 1+2) into the housing (3).
- For dismantling, the contact carrier can be released from the front (plug-in side). Use the release tool RF-Z0001 for this.

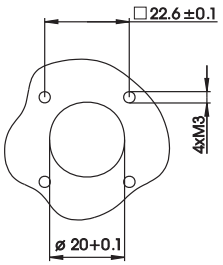
Assembly drawings show assembly with male contacts. The same applies to female contacts.

Panel mounting connectors, angled fixed / angled rotary

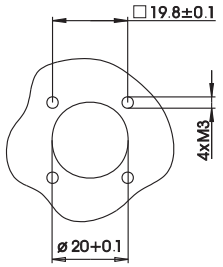
RF-.....8AA.00



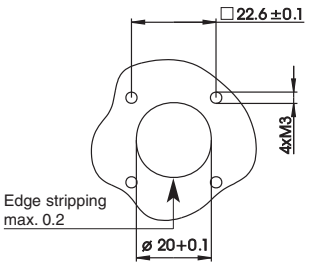
Pos. 3 and 4: contact carrier open; clip the crimp contacts in at the side.



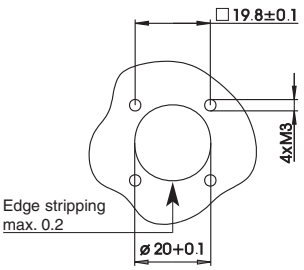
Installation dimensions angled fixed



Installation dimensions angled fixed



Installation dimensions angled rotary



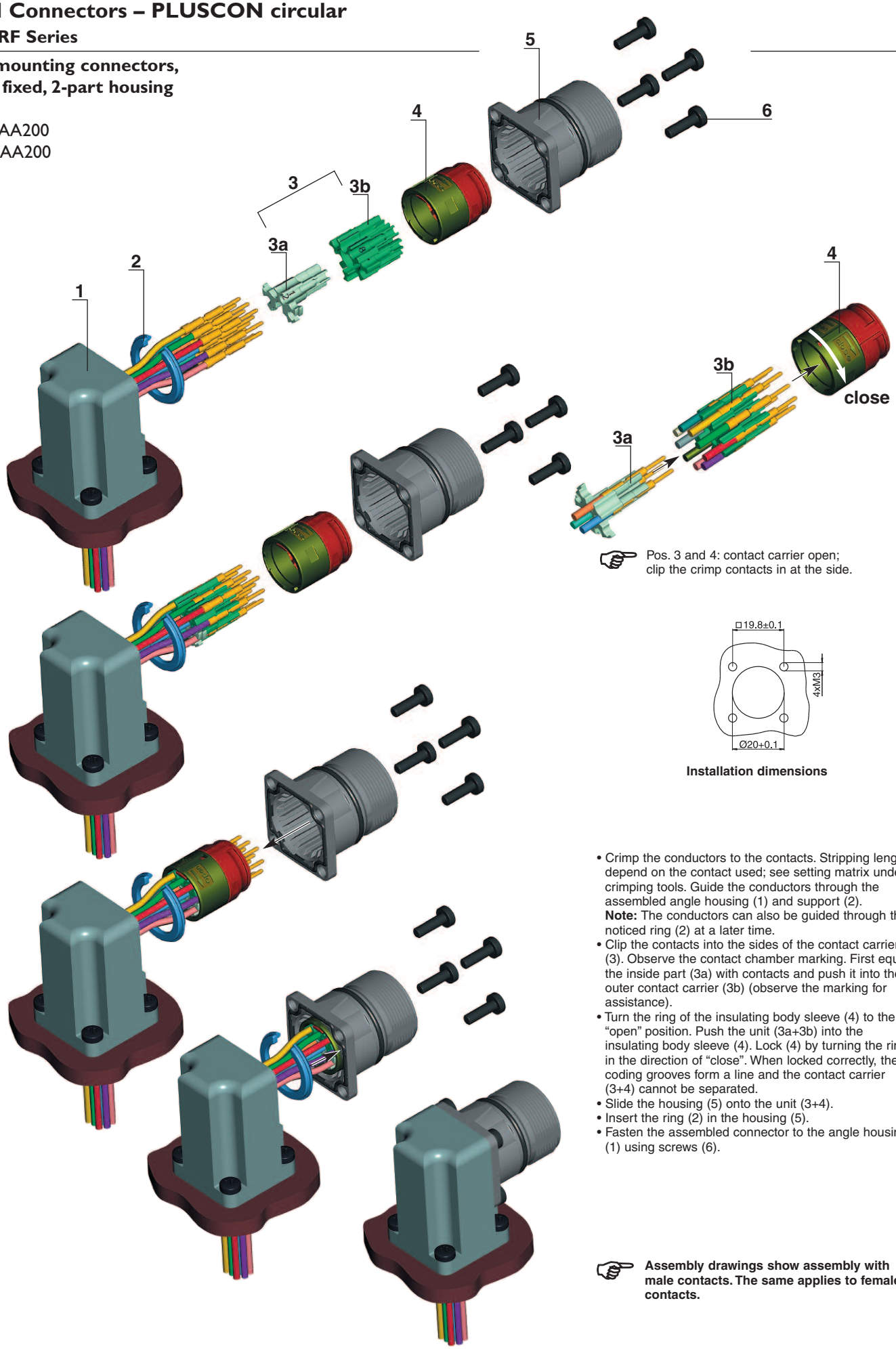
Installation dimensions angled rotary

- Crimp the contacts to the conductors. Stripping lengths depend on the contact used; see setting matrix under crimping tools.
- Clip the contacts into the sides of the contact carrier (3). Observe the contact chamber marking. First equip the inside part (3a) with contacts and push it into the outer contact carrier (3b) (observe the marking for assistance).
- Push the assembled contact carrier (unit 3a+3b) through the base housing (1). Fasten the base housing to the device using 4 screws.
- Turn the ring of the insulating body sleeve (4) to the "open" position. Push the unit (3a+3b) into the insulating body sleeve (4). Lock (4) by turning the ring in the direction of "close". When locked correctly, the coding grooves form a line and the insulating body (3+4) cannot be separated.
- Insert the insulating body cap (2) into the base housing (1) from above.
- Push the housing cover (5) onto the insulating body (unit 3+4), use the guide in the cover.
- Position the housing cover (5) on the base housing (1) and fasten with screws (6) (Torx T10), **torque: 1.7 Nm.**

Assembly drawings show assembly with male contacts. The same applies to female contacts.

Panel mounting connectors, angled fixed, 2-part housing

RF-..P..8AA200
RF-..S..8AA200



Pos. 3 and 4: contact carrier open; clip the crimp contacts in at the side.

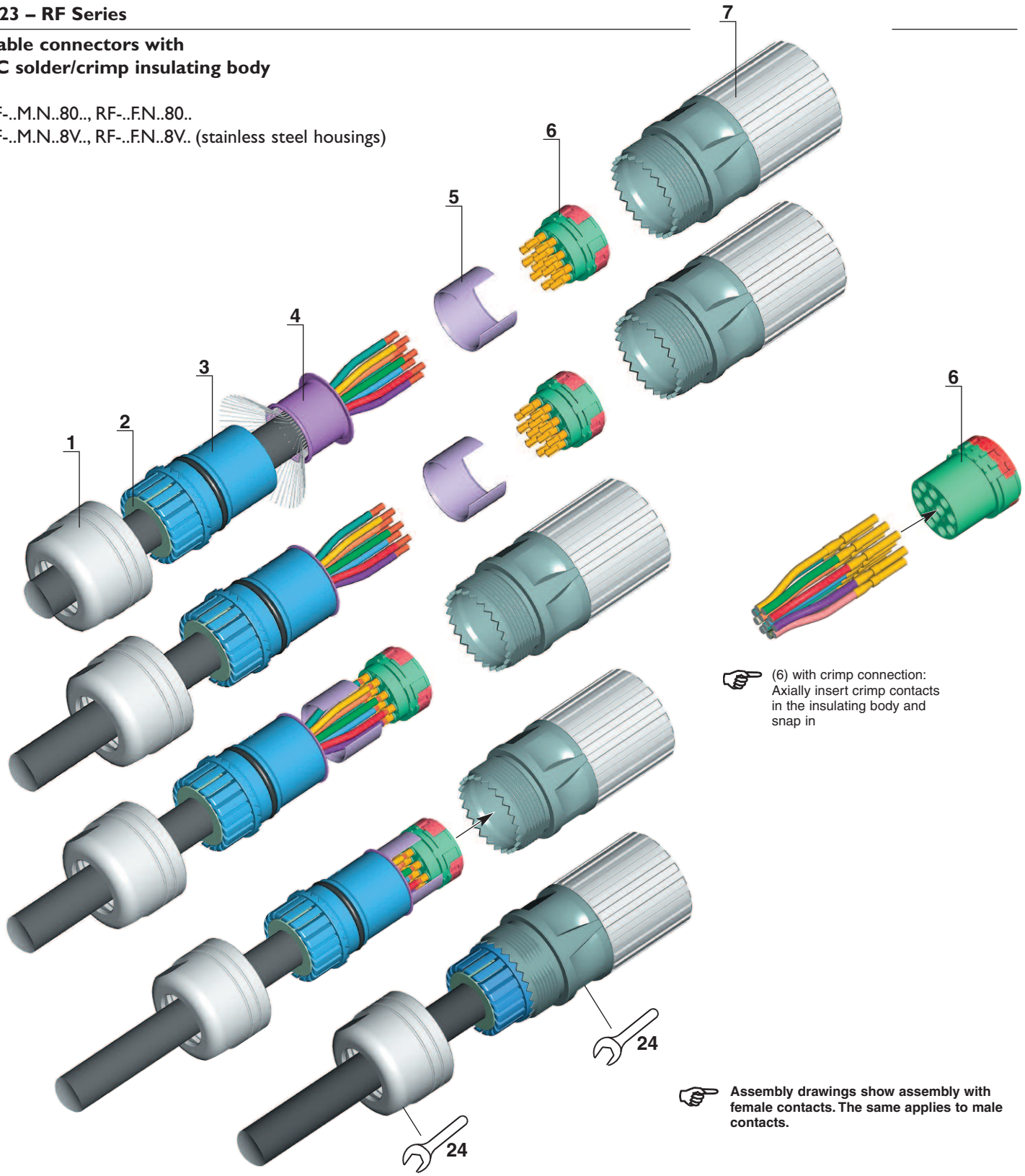
Installation dimensions

- Crimp the conductors to the contacts. Stripping lengths depend on the contact used; see setting matrix under crimping tools. Guide the conductors through the assembled angle housing (1) and support (2).
  Note: The conductors can also be guided through the noticed ring (2) at a later time.
- Clip the contacts into the sides of the contact carrier (3). Observe the contact chamber marking. First equip the inside part (3a) with contacts and push it into the outer contact carrier (3b) (observe the marking for assistance).
- Turn the ring of the insulating body sleeve (4) to the “open” position. Push the unit (3a+3b) into the insulating body sleeve (4). Lock (4) by turning the ring in the direction of “close”. When locked correctly, the coding grooves form a line and the contact carrier (3+4) cannot be separated.
- Slide the housing (5) onto the unit (3+4).
- Insert the ring (2) in the housing (5).
- Fasten the assembled connector to the angle housing (1) using screws (6).

Assembly drawings show assembly with male contacts. The same applies to female contacts.

Cable connectors with RC solder/crimp insulating body

RF-..M.N..80.., RF-..F.N..80..
RF-..M.N..8V.., RF-..F.N..8V.. (stainless steel housings)



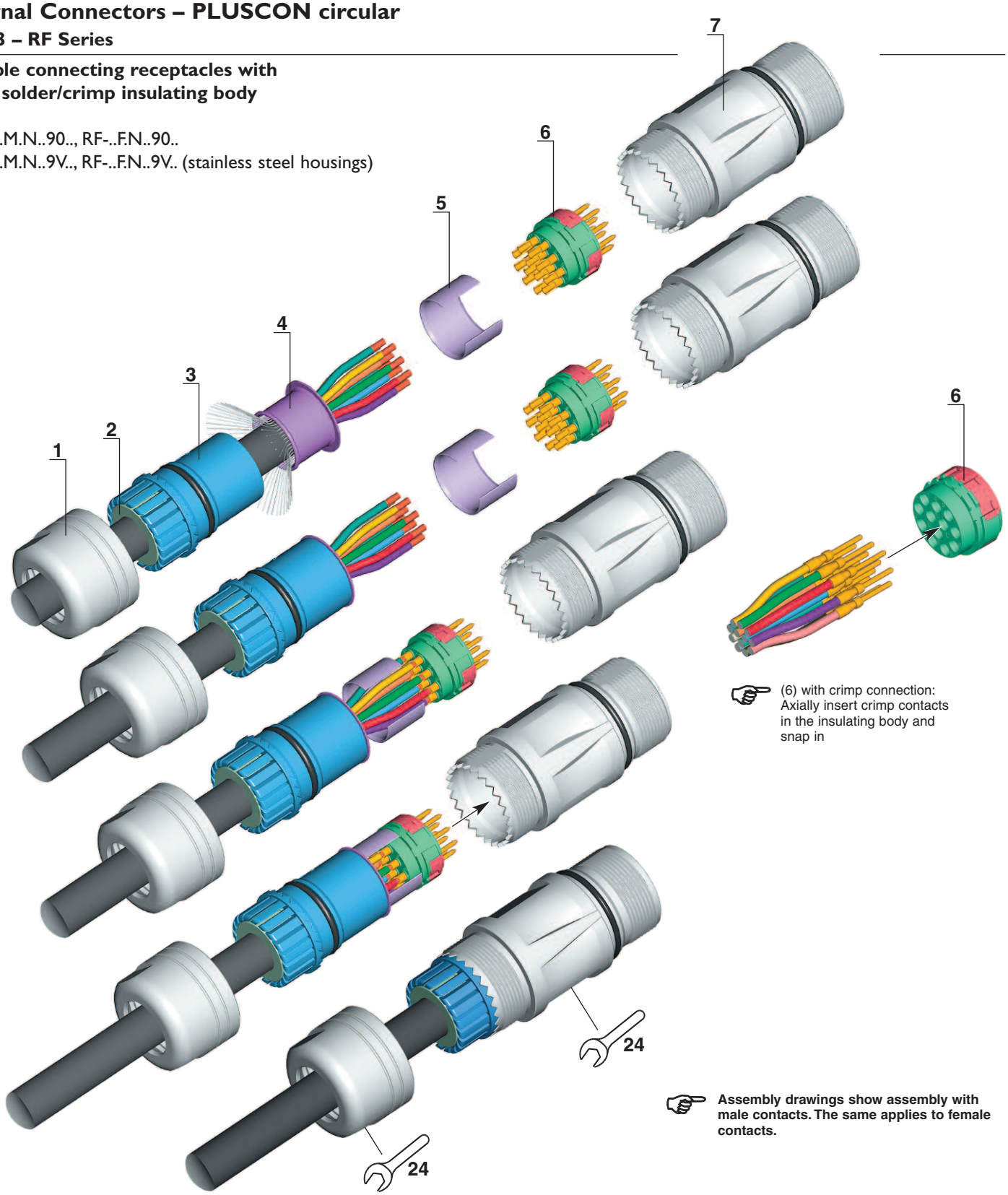
(6) with crimp connection: Axially insert crimp contacts in the insulating body and snap in

Assembly drawings show assembly with female contacts. The same applies to male contacts.

- Push the adapter (1) and the sealing element (3) with the gasket (2) onto the cable.
- Strip the external cable sheath by approx. 28 mm.
- Trim and remove the foil, wadding and inner insulation.
- Turn the braided screen inside out toward the rear. It is not necessary to unbraid and cut off the braided screen.
- Push the metallic shielded sleeve (4) over the braided screen from the front until the right collar of the shielded sleeve is flush with the cable sheath.
- Push back any projecting braided screen somewhat.
- Push the unit (2+3) over the braided screen all the way to (4). The braided screen is folded here.
- **For solder connection:** Strip the conductors by 3.5 mm, twist (and tin plate). Solder the conductors to the contacts.
- **For crimp connection:** Crimp the contacts onto the conductors. Stripping lengths depend on the contact used. See the operating instructions for the crimping tool.
  Note: The contacts can also be crimped on before shield connection.
  Axially insert contacts into the insulating body (6) and snap in. Observe the label on the contact chamber. For snapping in, use a contact insertion and removal tool, if necessary:
  RC-Z2494 for RC contacts, Ø 1 mm
  RC-Z2274 for RC contacts, Ø 1.5 mm
  RC-Z2490 for RC contacts, Ø 2 mm.
- Insert spacer sleeve (5) and stick on insulating body (6). The opening of the spacer sleeve is to be oriented toward the desired coding position of the insulating body.
- Push the shield block (2+3+4) onto the insulating body so that it becomes "one unit". Insert this unit in the housing (7). Observe the position of the coding groove.
- Screw the adapter (1) on tight.
  Tightening torque 7 Nm.
  Stainless steel housing: Screw the adapter (1) as tight as possible.

Cable connecting receptacles with RC solder/crimp insulating body

RF-..M.N..90.., RF-..F.N..90..
RF-..M.N..9V.., RF-..F.N..9V.. (stainless steel housings)



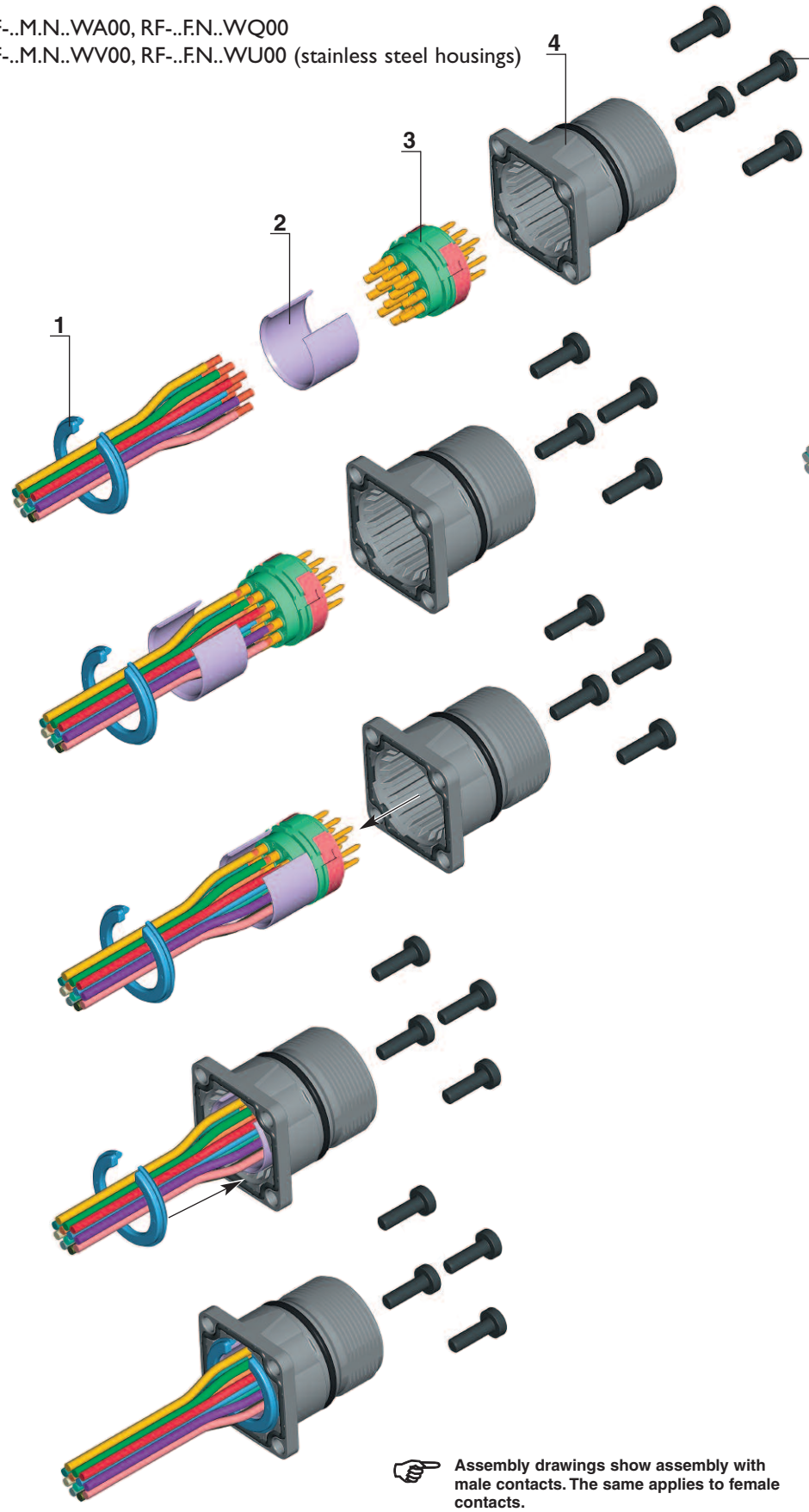
(6) with crimp connection: Axially insert crimp contacts in the insulating body and snap in

Assembly drawings show assembly with male contacts. The same applies to female contacts.

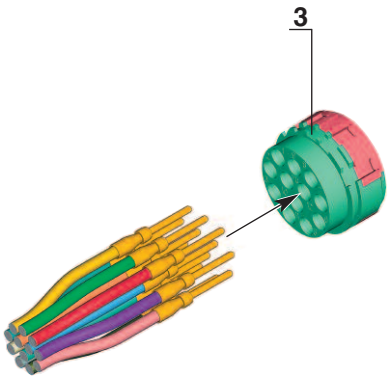
- Push the adapter (1) and the sealing element (3) with the gasket (2) onto the cable.
- Strip the external cable sheath by approx. 28 mm.
- Trim and remove the foil, wadding and inner insulation.
- Turn the braided screen inside out toward the rear. It is not necessary to unbraid and cut off the braided screen.
- Push the metallic shielded sleeve (4) over the braided screen from the front until the right collar of the shielded sleeve is flush with the cable sheath.
- Push back any projecting braided screen somewhat.
- Push the unit (2+3) over the braided screen all the way to (4). The braided screen is folded here.
- **For solder connection:** Strip the conductors by 3.5 mm, twist (and tin plate). Solder the conductors to the contacts.
- **For crimp connection:** Crimp the contacts onto the conductors. Stripping lengths depend on the contact used. See the operating instructions for the crimping tool.
  Note: The contacts can also be crimped on before shield connection.
  Axially insert contacts into the insulating body (6) and snap in. Observe the label on the contact chamber. For snapping in, use a contact insertion and removal tool, if necessary:
  RC-Z2494 for RC contacts, Ø 1 mm
  RC-Z2274 for RC contacts, Ø 1.5 mm
  RC-Z2490 for RC contacts, Ø 2 mm.
- Insert spacer sleeve (5) and stick on insulating body (6). The opening of the spacer sleeve is to be oriented toward the desired coding position of the insulating body.
- Push the shield block (2+3+4) onto the insulating body so that it becomes "one unit". Insert this unit in the housing (7). Observe the position of the coding groove.
- Screw the adapter (1) on tight.
  Tightening torque 7 Nm.
  Stainless steel housing: Screw the adapter (1) as tight as possible.

Panel mounting connectors straight with RC solder/crimp insulating body

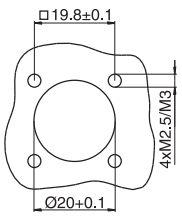
RF-..M.N..WA00, RF-..F.N..WQ00
RF-..M.N..WV00, RF-..F.N..WU00 (stainless steel housings)



5 M2.5 / M3 (not included in the scope of delivery)



(3) with crimp connection: Axially insert crimp contacts in the insulating body and snap in



Installation dimensions

Assembly drawings show assembly with male contacts. The same applies to female contacts.

- **For solder connection:** Guide conductors through the mounting panel and ring (1). Strip the conductors by 3.5 mm, twist (and tin plate). Solder the conductors to the contacts.
  Note: The conductors can also be guided through the slotted ring (1) later.
- **For crimp connection:** Guide conductors through the mounting panel and ring (1). Crimp the contacts onto the conductors. Stripping lengths depend on the contact used. See the operating instructions for the crimping tool.
  Note: The conductors can also be guided through the slotted ring (1) later.
  Axially insert contacts into the insulating body (3) and snap in. Observe the label on the contact chamber. For snapping in, use a contact insertion and removal tool, if necessary:
  RC-Z2494 for RC contacts, Ø 1 mm
  RC-Z2274 for RC contacts, Ø 1.5 mm
  RC-Z2490 for RC contacts, Ø 2 mm.
- Insert spacer sleeve (2) and stick on insulating body (3). The opening of the spacer sleeve is to be oriented toward the desired coding position of the insulating body.
- Push the housing (4) onto the unit (2+3). Observe the position of the coding groove.
- Insert the ring (1) in the housing (4).
- Fasten the assembled connector to the mounting panel using screws (5).