

**Functional Principle with NC Compact**

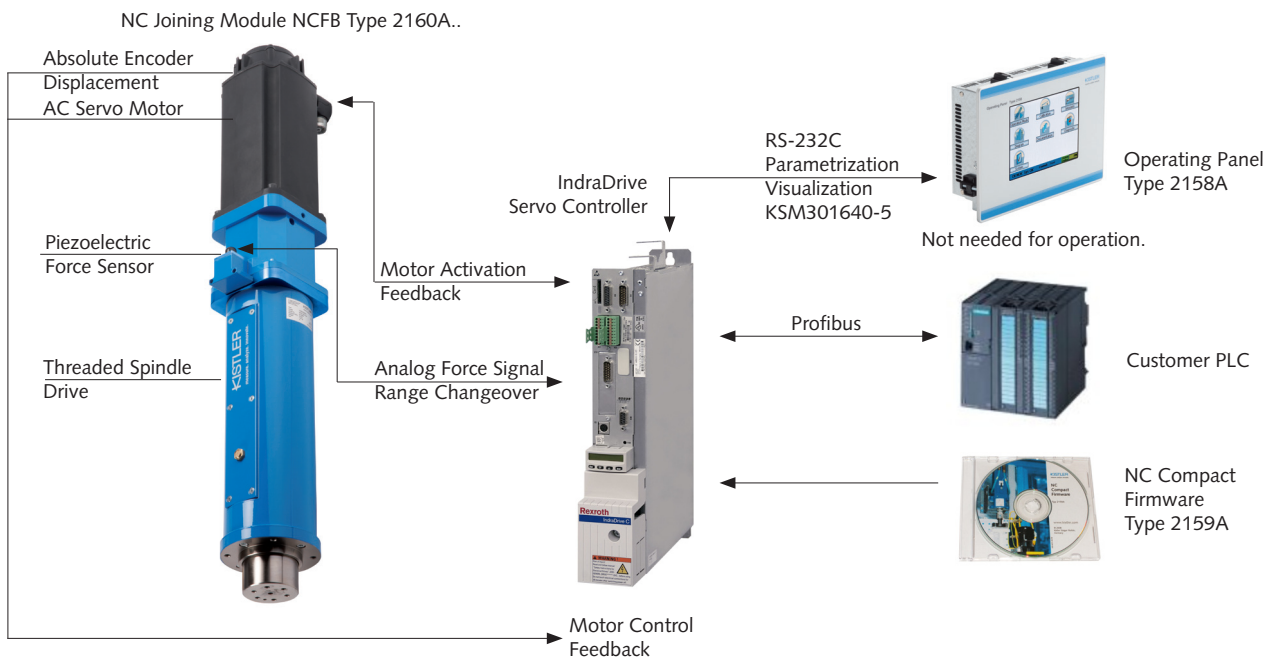


Fig. 5: Functional principle of NC joining system with NC joining module NCFB Type 2160A... and NC Compact Type 2158A and Type 2159A

**Included Accessories**

- None

**Optional Accessories**

- |   |           |
|---|-----------|
| • Servo controller for Type 2160A15... with integrated safety option<br>IndraDrive 12 A PB S2 MPH07 | KSM038526 |
| • Servo controller for Type 2160A... with integrated safety option<br>IndraDrive 28 A PB S2 MPH07   | KSM035371 |
| • NC Compact Firmware   | 2159A     |
| • NC Compact Operating Panel  | 2158A     |

**Cable**

- |  |             |
|--|-------------|
| • NCFB 15 motor cable, length 5 m RKL4302              | KSM341600-5 |
| • NCFB 50 motor cable, length 5 m RKL4306              | KSM347990-5 |
| • NCFB MSK feedback cable, length 5 m RKG4200          | KSM303500-5 |
| • Data cable IndraDrive, length 5 m                    | KSM301640-5 |
| • NCF cable force transmitter, length 5 m (NC Compact) | KSM313710-5 |

Other length on request.

**Note:**

Other Fieldbus Interfaces e.g. EtherNet/IP, Profinet, etc. on request.

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**Functional Principle with DMF-P A310 Universal Type 4740A...**

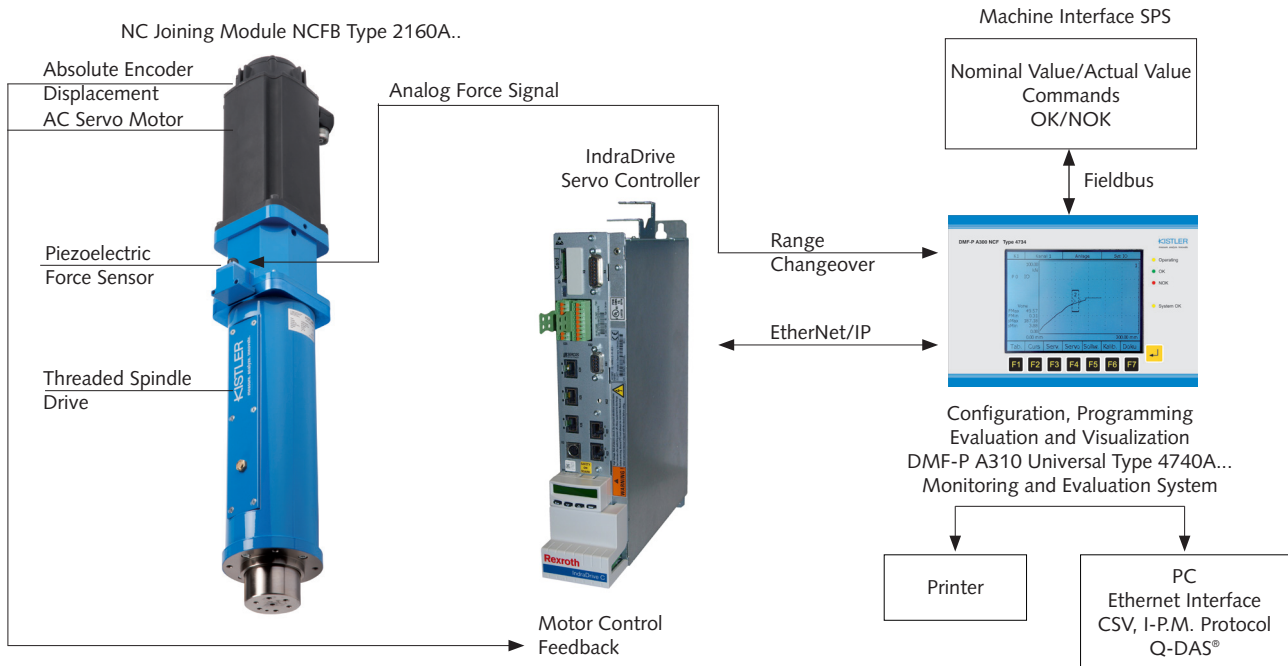


Fig. 4: Functional principle of NC joining system with NC joining module NCFB Type 2160A... and DMF-P A310 Universal Type 4740A...

**Included Accessories**

- None

**Optional Accessories**

	Type/Art. No.
• Servo controller IndraDrive 12 A EI S2 MPC07, NCFB 15 kN	KSM038528
• Servo controller IndraDrive 28 A EI S2 MPC07, NCFB 50 kN	KSM036436
• Evaluation unit DMF-P A310 Universal	4740A...
• Wall housing evaluation unit	4740AWY2...
• Desktop housing evaluation unit	4740ATY2...
• Panel housing evaluation unit	4740AEY2...

**Cable**

	Type/Art. No.
• NCFB 15 motor cable, length 5 m RKL4302	KSM341600-5
• NCFB 50 motor cable, length 5 m RKL4306	KSM347990-5
• NCFB MSK Feedback cable, length 5 m RKG4200	KSM303500-5
• NCF cable force transmitter, length 5 m	KSM313720-5
• Network cable A310 EtherNet/IP, length 5 m	KSM036457-5
• Network cable A310 EtherNet/IP, length 10 m	KSM036458-10
• Network cable A310 EtherNet/IP, length 20 m	KSM036459-20
• Network cable A310 EtherNet/IP, length 30 m	KSM036460-30

Other length on request.

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**Functional Principle with DMF-P A300 NCF Type 4734A...**

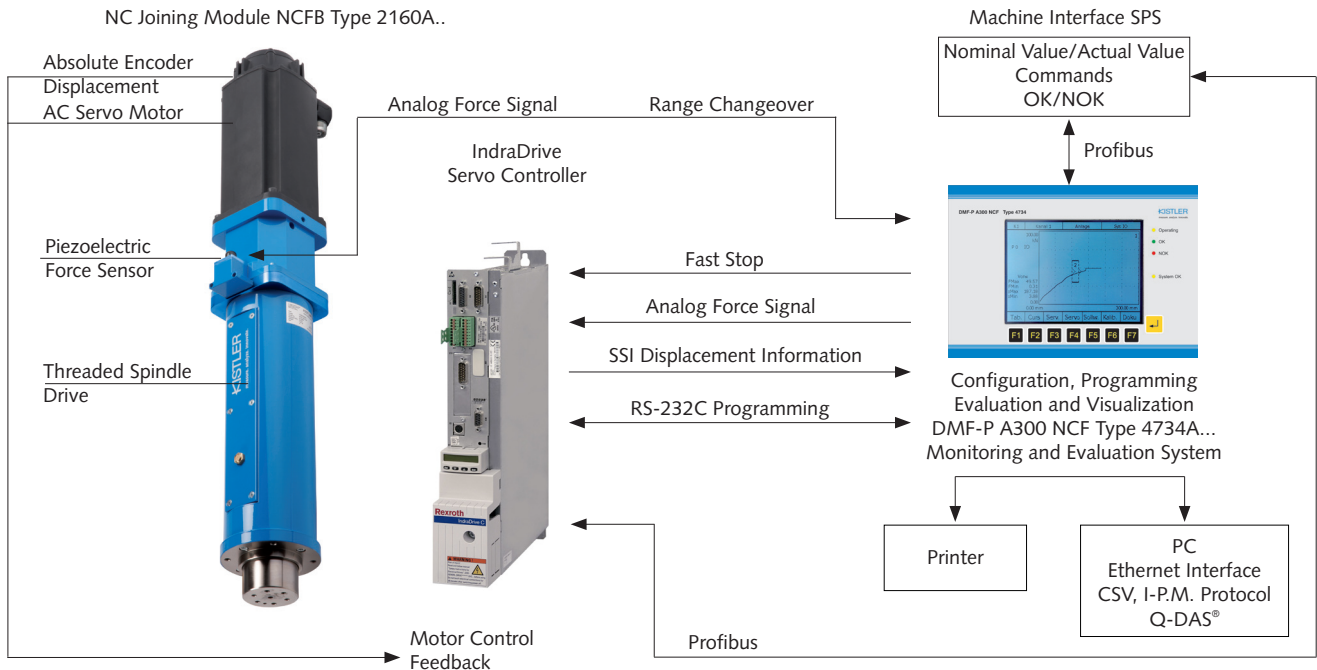


Fig. 3: Functional principle of NC joining system with NC joining module NCFB Type 2160A... and DMF-P A300 NCF Type 4734A...

**Included Accessories**

- None

**Optional Accessories**

- |   |                |
|---|----------------|
| • Servo controller for Type 2160A15... with integrated safety option<br>IndraDrive 12 A PB S2 MPH07 | KSM038526      |
| • Servo controller for Type 2160A50... with integrated safety option<br>IndraDrive 28 A PB S2 MPH07 | KSM035371      |
| • Evaluation unit DMF-P A300 NCF  | 4734A...       |
| • Wall housing evaluation unit  | 4734AWDY2X4... |
| • Desktop housing evaluation unit   | 4734ATDY2X4... |
| • Panel housing evaluation unit   | 4734AEDY2X4... |

**Cable**

- |   |             |
|---|-------------|
| • NCFB 15 motor cable, length 5 m RKL4302           | KSM341600-5 |
| • NCFB 50 motor cable, length 5 m RKL4306           | KSM347990-5 |
| • NCFB MSK Feedback cable, length 5 m RKG4200       | KSM303500-5 |
| • NCF cable SSI displacement IndraDrive, length 5 m | KSM301750-5 |
| • Data cable IndraDrive, length 5 m                 | KSM301640-5 |
| • NCF cable force transmitter, length 5 m           | KSM313720-5 |
| • NCF cable analog force signal, length 5 m         | KSM301760-5 |
| • NCF cable XTE, YTE IndraDrive, length 5 m         | KSM314030-5 |

Other length on request.

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**Ordering Key**

Type 2160A

**Mating Force [kN]**

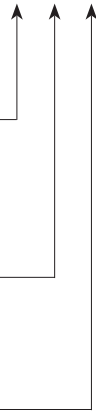
Measuring range 1	15	<b>15</b>
Measuring range 2	5	
Measuring range 1	50	<b>50</b>
Measuring range 2	25	

**Stroke [mm]**

200 (only 15 kN)	<b>200</b>
400 (only 50 kN)	<b>400</b>

**Holding Brake**

Without	<b>N</b>
With holding brake	<b>H</b>



**Ordering Example**

**Type 2160A50400N**

NC joining module NCFB **Type 2160A...**, measuring range 1: **50 kN**, stroke: **400 mm**, without holding brake: **N**.

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