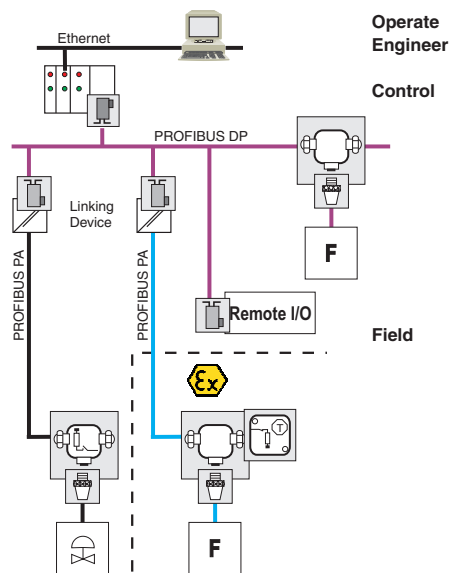


PROFIBUS

Junctions, Connectors, Accessories



PROFIBUS PA

- Junctions
- Connectors
- Accessories

PROFIBUS DP

- Junctions
- Connectors
- Accessories

PROFIBUS DP / PA

- Accessories

The PROFIBUS PA T-Connectors are available as Standard and Ex(Haz.) version. They are used for coupling 1 up to 4 transmitters to the PA trunk via spurs. The spurs can optionally be connected by an M12 connection or directly via the EMC cable gland.

- Non-interrupted BUS operation when exchanging or extending a PA transmitter
- Easy to use
- Low installation costs
- External grounding cable
- Pressure-compensation element
- EMC cable gland
- Tension spring connection
- Aluminium (standard) housing
- Non-Ex design (integrated bus termination, switchable)
- Ex(Haz.) design acc. to ATEX (external bus termination with **NPZ100-EX**)

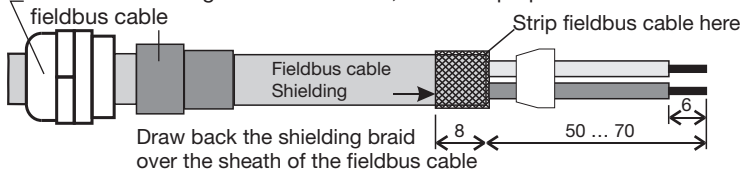


NPJ120-NO, NPJ130-NO, NPJ420-NO, NPJ460-NO – PROFIBUS PA Junctions - Non-Ex version

Recommendation of mounting

Shield is connected to the enclosure via the EMC cable glands.

Thread the cable gland onto the seal, on the unprepared



Use ferrules!



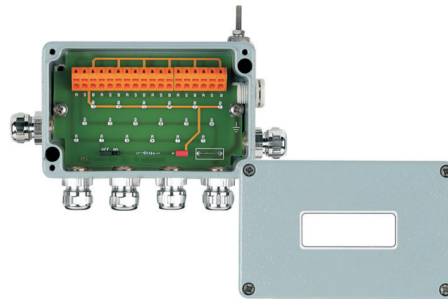
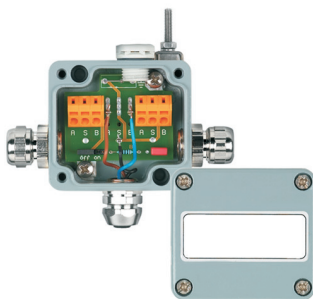
M00694

Technical data

Temperature range	-40 ... 85 °C
Operating temperature	
Type of protection	IP 66
Material of housing	High-quality aluminium alloy (AL-Si 12)
Surface	Stove-enamelled RAL 7001
PROFIBUS PA connection	Tension spring 0.5 ... 1.5 mm ²
Cable bushing	EMC cable gland M16
Clamping area	5.5 ... 9.6 mm
Measuring instrument connector M12 x 1, 4-pin	contacts brass, surface CuZnAu

Installation advice

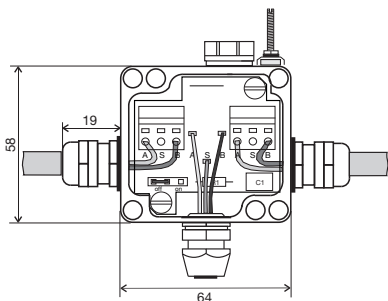
Torques	
M16 cable gland on housing	6.25 Nm
Coupling ring M16 cable gland	4.5 Nm
Housing lid	1.8 ... 2.0 Nm
External earthing cable	1.8 ... 2.0 Nm



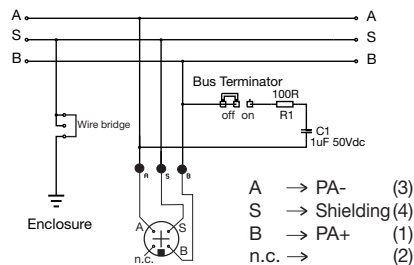
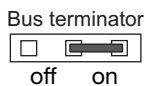
M00695

NPJ120-NO PROFIBUS PA Junction – Non-Ex version, with bus termination

The Transmitter (spur, 1-way) are connected using M12 connection



Socket M12 / PA code

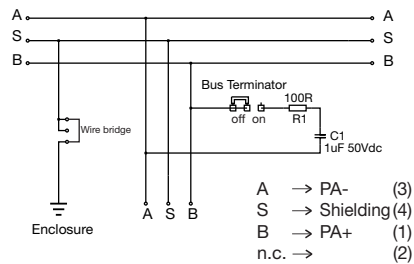
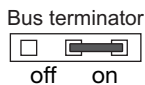
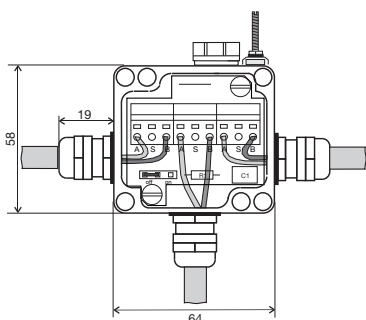


- A → PA- (3)
- S → Shielding (4)
- B → PA+ (1)
- n.c. → (2)

M00696

NPJ130-NO PROFIBUS PA Junction – Non-Ex version, with bus termination

The Transmitter (spur, 1-way) are connected using cable bushing.

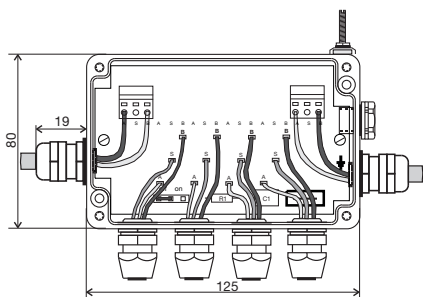


- A → PA- (3)
- S → Shielding (4)
- B → PA+ (1)
- n.c. → (2)

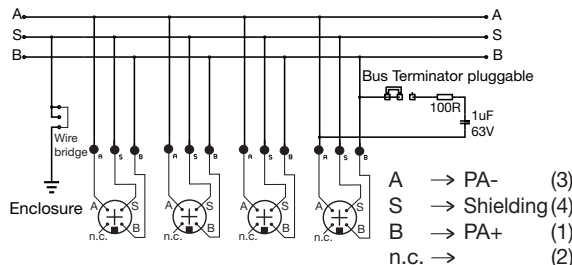
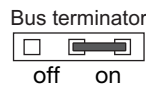
M00697

NPJ420-NO PROFIBUS PA Junction – Non-Ex version, with bus termination

The Transmitter (spurs, 4-way) are connected using M12 connection



Socket M12 / PA code

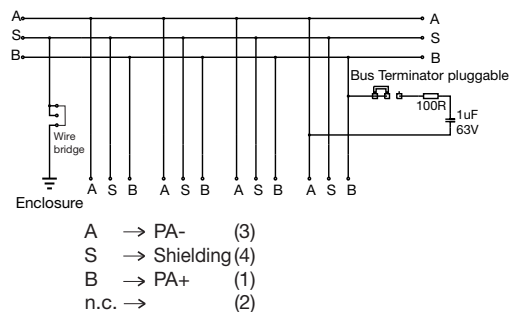
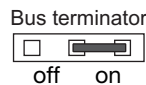
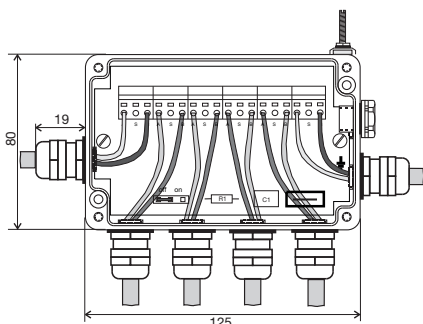


- A → PA- (3)
- S → Shielding (4)
- B → PA+ (1)
- n.c. → (2)

M00698

NPJ460-NO PROFIBUS PA Junction – Non-Ex version, with bus termination

The Transmitter (spurs, 4-way) are connected using cable bushing



- A → PA- (3)
- S → Shielding (4)
- B → PA+ (1)
- n.c. → (2)

M00699

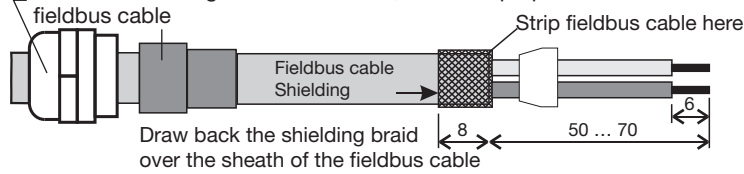
All drawings not scaled! All units in millimeter!

NPJ120-EX, NPJ130-EX, NPJ420-EX, NPJ460-EX – PROFIBUS PA Junctions – Ex area Ex (ia) ATEX

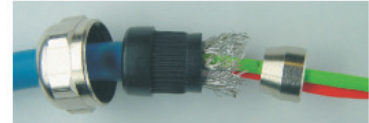


Recommendation of mounting

Shield is connected to the enclosure via the EMC cable glands.
Thread the cable gland onto the seal, on the unprepared



Use ferrules!



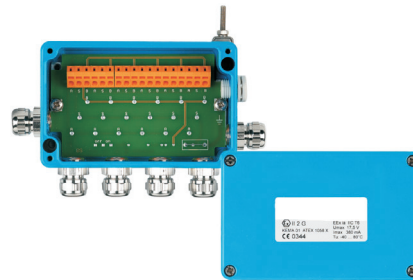
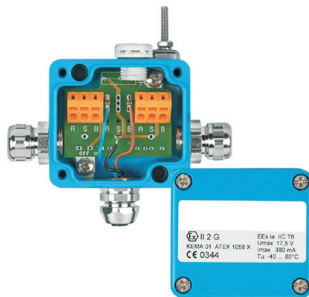
M00694

Technical data

Temperature range	-40 ... 80 °C
Operating temperature	IP 66
Type of protection	High-quality aluminium alloy (AL-Si 12)
Material of housing	Stove-enamelled RAL 5015
Surface	Tension spring 0.5 ... 1.5 mm ²
PROFIBUS PA connection	EMC cable gland M16
Cable bushing	5.5 ... 9.6 mm
Clamping area	Contacts brass, surface CuZnAu
Measuring instrument connector M12 x 1, 4-pin	II 2 G Ex ia IIC T6
ATEX Certification	

Installation advice

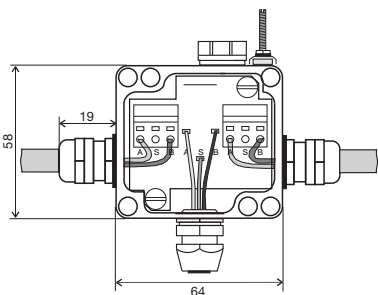
Torques	
M16 cable gland on housing	6.25 Nm
Coupling ring M16 cable gland	4.5 Nm
Housing lid	1.8 ... 2.0 Nm
Adapter / spur cable	Hand-tight
External earthing cable	1.8 ... 2.0 Nm



M00700

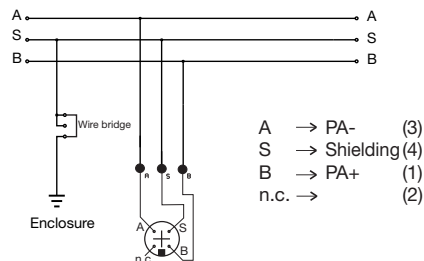
NPJ120-EX PROFIBUS PA Junction – Ex area Ex (ia) ATEX, without bus termination

The Transmitter (spur, 1-way) are connected using M12 connection



Socket M12 / PA code

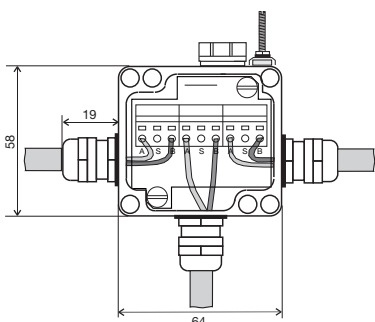
Bus terminator:
With external
NPZ100-EX only



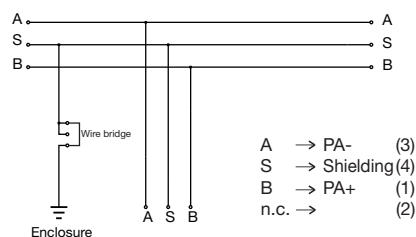
M00701

NPJ130-EX PROFIBUS PA Junction – Ex area Ex (ia) ATEX, without bus termination

The Transmitter (spur, 1-way) are connected using cable bushing



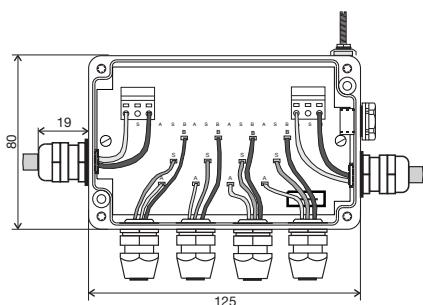
Bus terminator:
With external
NPZ100-EX only



M00702

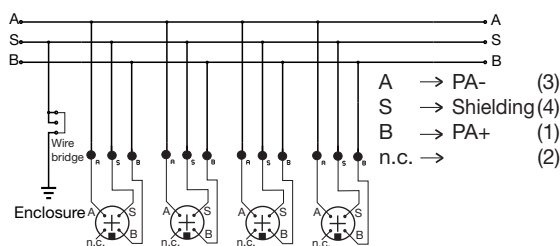
NPJ420-EX PROFIBUS PA Junction – Ex area Ex (ia) ATEX, without bus termination

The Transmitter (spurs, 4-way) are connected using M12 connection



Socket M12 / PA code

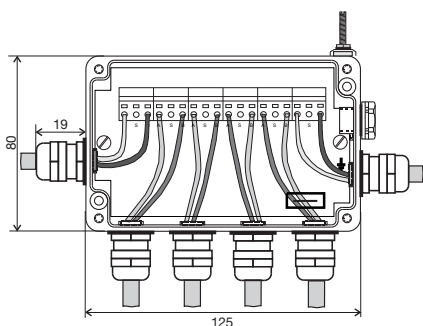
Bus terminator:
With external
NPZ100-EX only



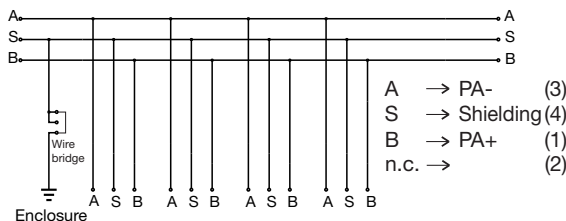
M00703

NPJ460-EX PROFIBUS PA Junction – Ex area Ex (ia) ATEX, without bus termination

The Transmitter (spurs, 4-way) are connected using cable bushing



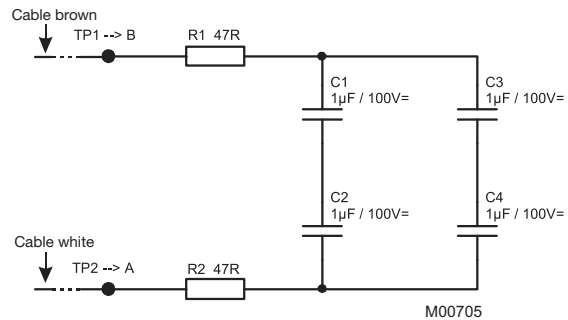
Bus terminator:
With external
NPZ100-EX only



M00704

All drawings not scaled! All units in millimeter!

NPZ100-EX PROFIBUS PA Bus Terminator – Ex area Ex (ia) ATEX

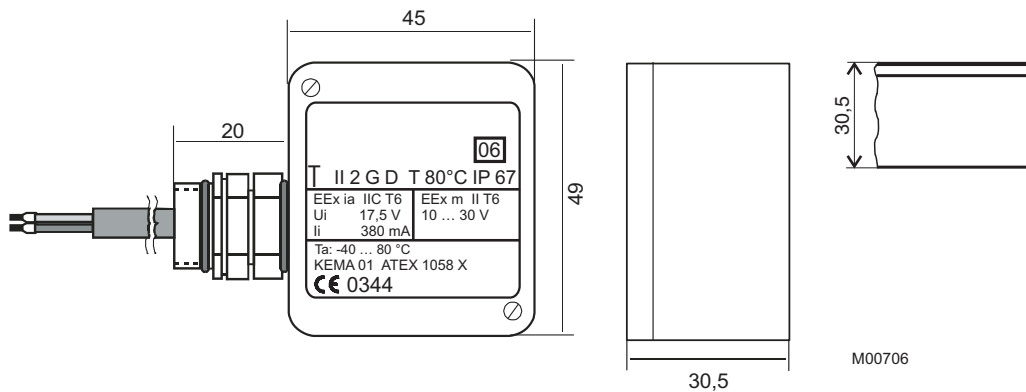


Technical data

Temperature range	
Operating temperature	-40 ... 80 °C
Type of protection	IP 66
Material of housing	High-quality aluminium alloy (AL-Si 12)
Surface	Black powder coated
Connecting cable	2 x 0.14 mm ²
Cable bushing	Busadapter M16
ATEX Certification	II 2 G Ex ia IIC T6, II 2 G Ex m II T6

Installation advice

Torques	
M16 adapter on the housing	6.0 Nm
External earthing cable (if necessary)	1.8 ... 2.0 Nm



All drawings not scaled! All units in millimeter!

NPE100-NE PROFIBUS PA Plug - M12, metal case, for Ex (Haz.) and Non-Ex area



M00707

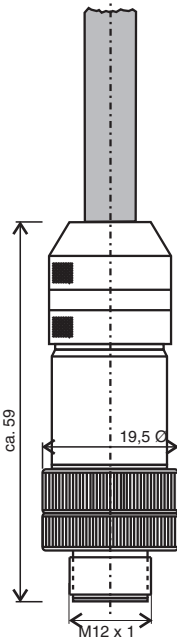
Technical data

Poles	4 Poles, PA code
Type of connection	Screwed
Cross-sectional area of connection	0.75 mm ²
Connecting thread	M12
Contact surface	CuZnAu
Housing protection to DIN 40050 IEC 529	IP 67 with cable Ø 4 ... 9 mm
Material of housing	CuZn surface nickel
Inflammability to UL-94	V-2
Operating temperature	-25 ... 85 °C
Rated current per contact	3 A
Nominal voltage to	125 V~ 150 V=
VDE standard 0110 / ISO group C	KC 600
Tracking resistance	≤ 8 MΩ
Volume resistivity to IEC512 part 2	≥ 10 ¹² Ω
Insulation resistance to IEC 512 part 2	

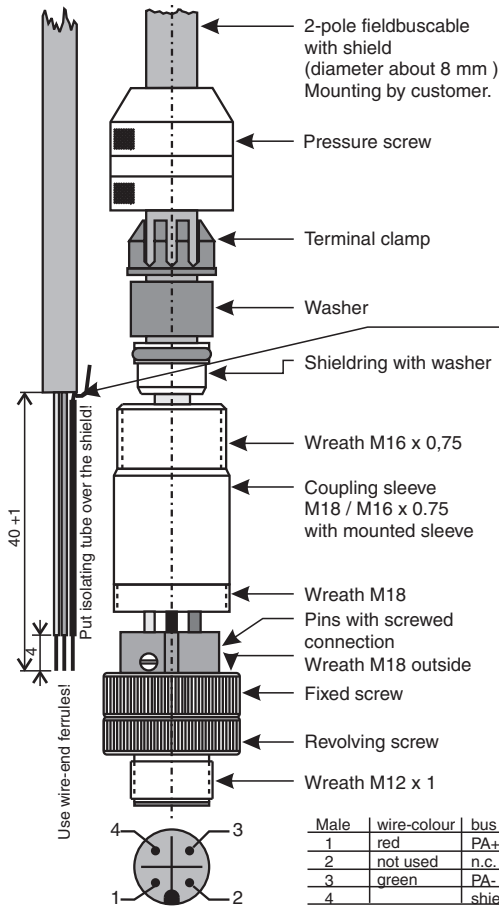
Installation advice

Screw terminals	Torques
Coupling ring PG cable gland	0.4 Nm
Knurled screw	4.0 Nm
	Hand-tight

Dimensions



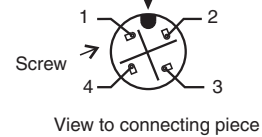
Recommendation of mounting



Sequence of mounting:

- Put the fieldbuscable through pressure screw, terminal clamp, washer, shielding with washer.
- Caution: Only for EMV ! Strip the fieldbuscable here, lay the shield over the shielding. Cut the rest of the shield. Shield can be connected, as drawing, with pin S of the plug and socket connector. Prepare the cable as shown in the drawing.
- Put prepared ends of the cable through the coupling sleeve. It's possible to use an isolating tube for the cable ends. Put shielding with washer and shield into the coupling sleeve. Put washer, terminal clamp and pressure screw together. Then fix the pressure screw.
- Fix the cable ends at the pins A, B, S of the plug and socket connector. Screw coupling sleeve and part with pins A, B, S together.

Positionmark !



Frontview of plug and socket connector

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

All drawings not scaled! All units in millimeter!

M00708

NPE300-NE PROFIBUS PA Socket – M12, metal case, for Ex (Haz.) and Non-Ex area



M00709

Technical data

Poles
 Type of connection
 Cross-sectional area of connection
 Connecting thread
 Contact surface
 Housing protection to DIN 40050 IEC 529
 Material of housing
 Inflammability to UL-94
 Operating temperature
 Rated current per contact
 Nominal voltage to
 VDE standard 0110 / ISO group C
 Tracking resistance
 Volume resistivity to IEC512 part 2
 Insulation resistance to IEC 512 part 2

4 Poles, PA code
 Screwed
 0.75 mm²
 M12
 CuZnAu
 IP 67 with cable Ø 4 ... 9 mm
 CuZn surface nickel
 V-2
 -25 ... 85 °C
 3 A

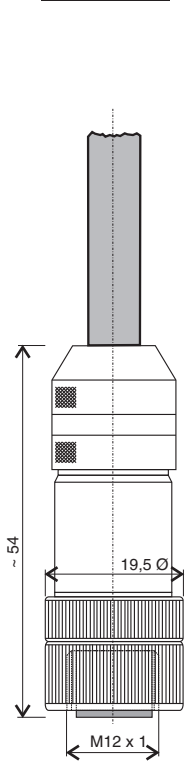
 125 V~ 150 V=
 KC 600
 ≤ 8 MΩ
 ≥ 10¹² Ω

Installation advice

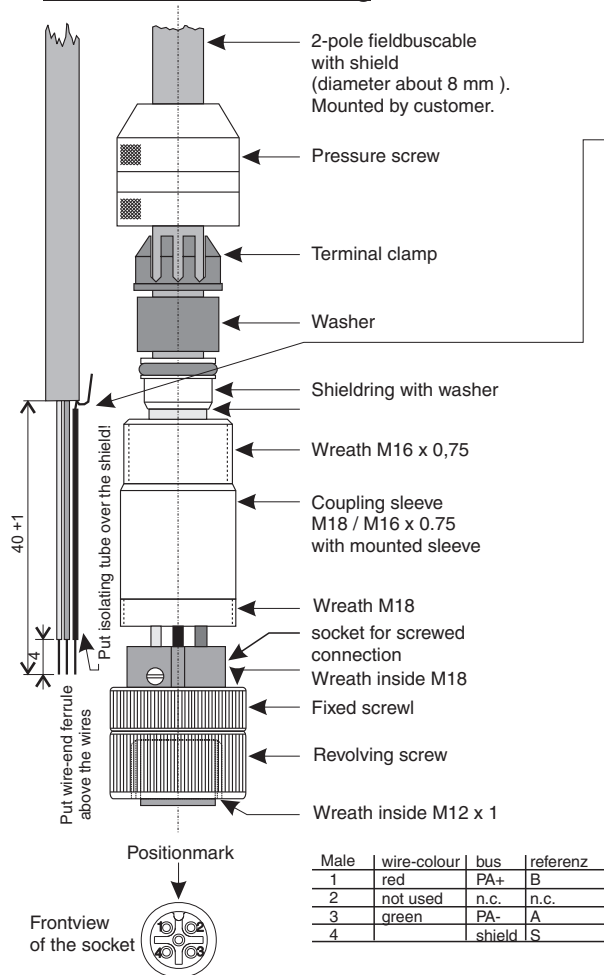
Screw terminals
 Coupling ring PG cable gland
 Knurled screw

Torques
 0.4 Nm
 4.0 Nm
 Hand-tight

Dimensions

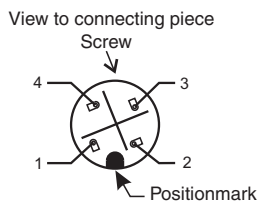


Recommendation of mounting



- Recommendation of mounting:
- Put the fieldbuscable through pressure screw, terminal clamp, washer, shielding with washer.
 - Caution: Only for EMV ! Strip the fieldbuscable here and lay the shield over the shielding. Cut the rest of the shield. Shield can be connected, as drawing, with socket S. Prepare the cable as shown in the drawing.
 - Put prepared wires and perhaps isolated shield through the coupling sleeve. Put shielding with washer and shield into the coupling shield. Put washer, terminal clamp and pressure screw together. Then fix the pressure screw.
 - Fix the cable ends at the socket pins A, B, S. Screw the coupling sleeve and the part with the sockets together.

Male	wire-colour	bus	referenz
1	red	PA+	B
2	not used	n.c.	n.c.
3	green	PA-	A
4		shield	S



All drawings not scaled! All units in millimeter!

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

M00710

The PROFIBUS DP T-Connectors are available as Aluminium and Stainless Steel version. They are used for coupling one transmitter to the DP trunk via spurs. The spurs can optionally be connected by an M12 connection or directly via the EMC cable gland (for Aluminium version only).

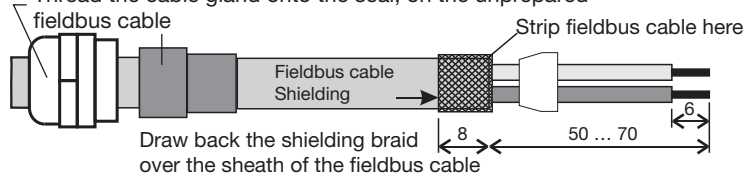


- Non-interrupted BUS operation when exchanging a DP transmitter, as well as the last DP Transmitter by an active bus termination
- Easy to use
- Low installation costs
- External grounding cable
- Pressure-compensation element
- EMC cable gland (for aluminium version only)
- Tension spring connection
- Standard design (integrated bus termination) version as active bus termination (integrated power supply)
- Aluminum (standard) and stainless steel version

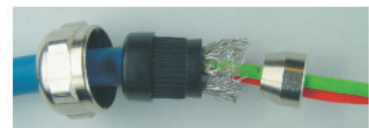
NDJ120-NO, NDJ122-NO, NDJ130-NO, NDJ132-NO – PROFIBUS DP Junctions – Aluminium housing

Recommendation of mounting

Shield is connected to the enclosure via the EMC cable glands.
Thread the cable gland onto the seal, on the unprepared



Use ferrules!



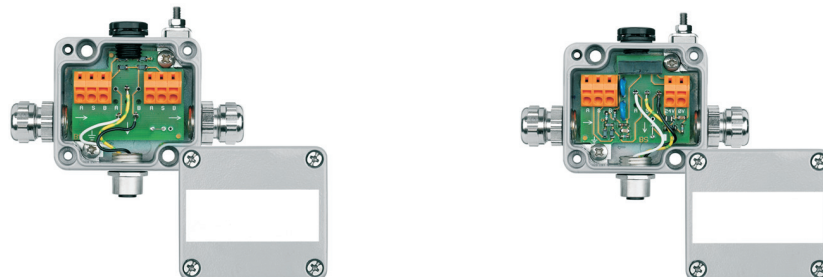
M00694

Technical data

Temperature range	-40 ... 85 °C (NDJ120-NO, NDJ130-NO)
Operating temperature	-25 ... 70 °C (Term 24 V: NDJ122-NO, NDJ132-NO)
Type of protection	IP 66
Material of housing	High-quality aluminium alloy (AL-Si 12)
Surface	Stove-enamelled RAL 7001
PROFIBUS DP connection	Tension spring 0.5 ... 1.5 mm ²
Cable bushing	EMC cable gland M16
Clamping area	5.5 ... 9.5 mm
Transmitter connector M12 x 1, 5-pin, DP code	Contacts brass, surface CuZnAu
Supply voltage Term 24 V	24 V DC +/- 10 %
Charing rate at supply unit 24 V DC	le = 10 mA +15 % at bus utilisation until 32 participants
Spur lines (L _S) until 1500 kBit/s !	per spur max. 0.25 m, max. over-all spur lines 6.60 m per DP segment

Installation advice

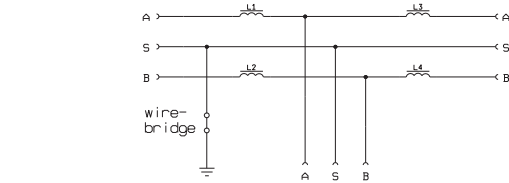
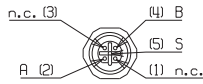
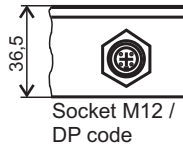
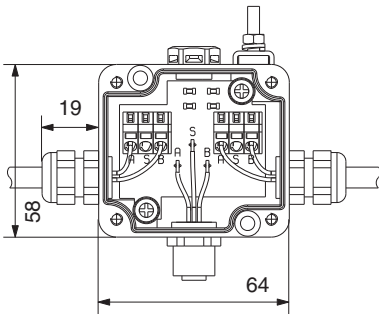
Torques	
M16 cable gland on housing	6.25 Nm
Coupling ring M16 cable gland	4.5 Nm
Adapter spur cable	Hand tight
Housing cover	1.8 ... 2.0 Nm
External earthing connection	1.8 ... 2.0 Nm



M00711

NDJ120-NO PROFIBUS DP Junction – Aluminium housing, without bus termination

The Transmitter (spur, 1-way) are connected using M12 connection

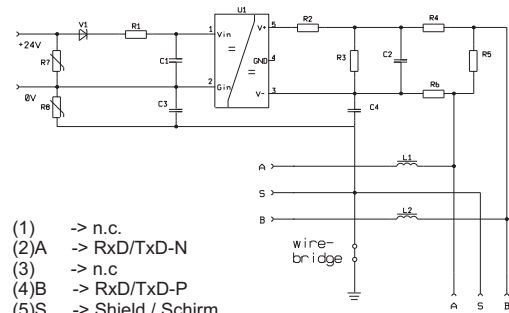
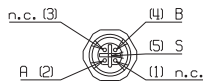
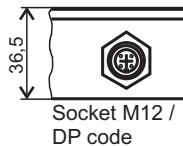
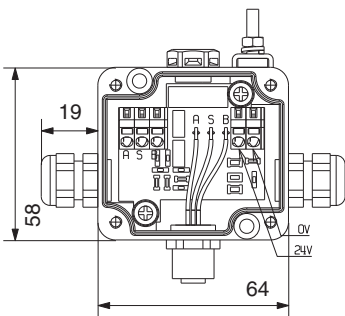


- (1) -> n.c.
- (2)A -> RxD/TxD-N
- (3) -> n.c
- (4)B -> RxD/TxD-P
- (5)S -> Shield / Schirm

M00712

NDJ122-NO PROFIBUS DP Junction – Aluminium housing, with active bus termination (24 V DC)

The Transmitter (spur, 1-way) are connected using M12 connection

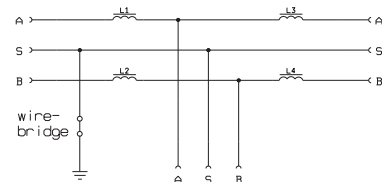
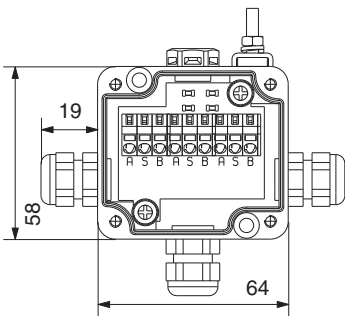


- (1) -> n.c.
- (2)A -> RxD/TxD-N
- (3) -> n.c
- (4)B -> RxD/TxD-P
- (5)S -> Shield / Schirm

M00713

NDJ130-NO PROFIBUS DP Junction – Aluminium housing, without bus termination

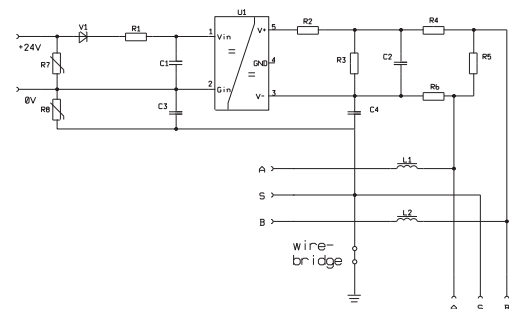
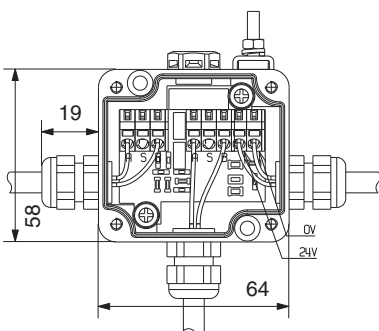
The Transmitter (spur, 1-way) are connected using cable bushing



M00714

NDJ132-NO PROFIBUS DP Junction – Aluminium housing, with active bus termination (24 V DC)

The Transmitter (spur, 1-way) are connected using cable bushing



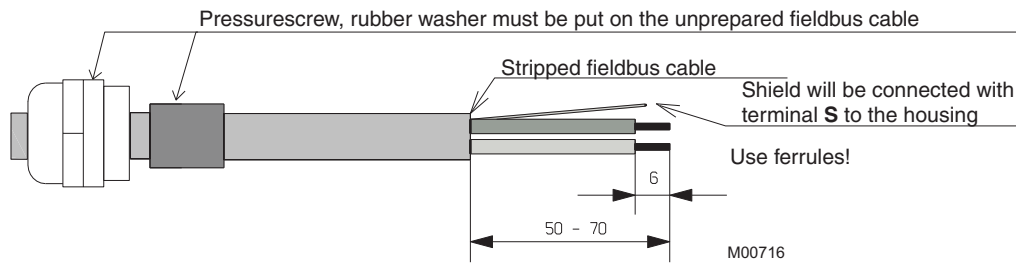
M00715

All drawings not scaled! All units in millimeter!

NDJ120-NOS, NDJ122-NOS – PROFIBUS DP Junctions – Stainless steel housing



Recommendation of mounting



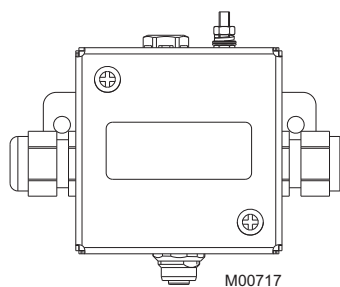
Technical data

Temperature range	-40 ... 85 °C (NDJ120-NOS)
Operating temperature	-25 ... 70 °C (Term 24 V: NDJ122-NOS)
Type of protection	IP 66
Material of housing	Stainless steel 1.4571
Surface	Polished
PROFIBUS DP connection	Tension spring 0.5 ... 1.5 mm ²
Cable bushing	Plastic screwed cable gland M16
Clamping area	5.5 ... 9.5 mm
Transmitter connector	M12 x 1, 5-pin, DP code
Supply voltage Term 24 V	24 V DC +/- 10 %
Charing rate at supply unit 24 V DC	le = 10 mA +15 % at bus utilisation until 32 participants

Spur lines (L_S) until **1500 kBit/s !** Per spur max. 0.25 m,
max. over-all spur lines 6.60 m per DP segment

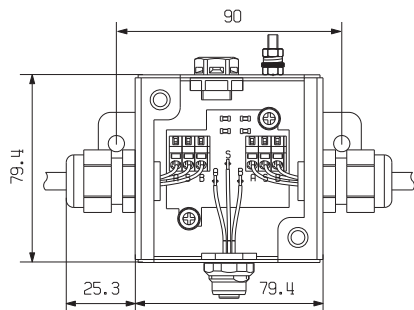
Installation advice

Torques	
M16 plastic screw cable gland on housing	3.75 Nm
Coupling ring M16 cable gland	2.5 Nm
Adapter spur cable	Hand tight
Housing cover	1.8 ... 2.0 Nm
External earthing connection	1.8 ... 2.0 Nm

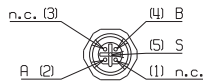


NDJ120-NOS PROFIBUS DP Junction – Stainless steel housing, without bus termination

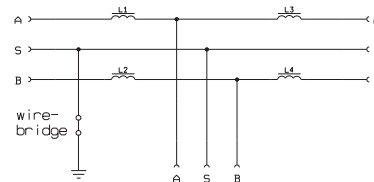
The Transmitter (spur, 1-way) are connected using M12 connection



Socket M12 / DP code



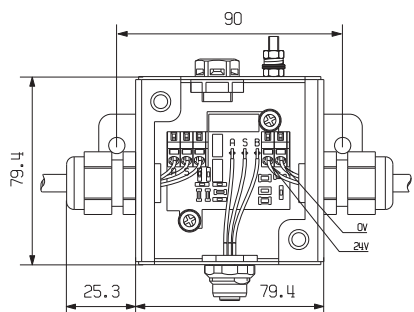
- (1) -> n.c.
- (2)A -> RxD/TxD-N
- (3) -> n.c.
- (4)B -> RxD/TxD-P
- (5)S -> Shield / Schirm



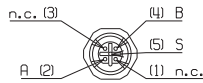
M00718

NDJ122-NOS PROFIBUS DP Junction – Stainless steel housing, with active bus termination (24 V DC)

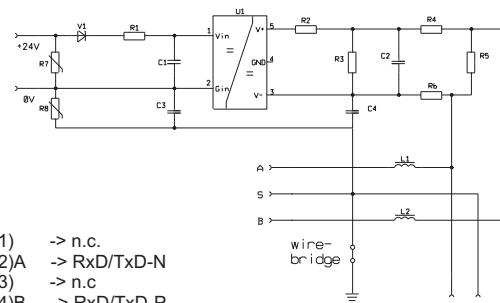
The Transmitter (spur, 1-way) are connected using M12 connection



Socket M12 / DP code



- (1) -> n.c.
- (2)A -> RxD/TxD-N
- (3) -> n.c.
- (4)B -> RxD/TxD-P
- (5)S -> Shield / Schirm



M00719

All drawings not scaled! All units in millimeter!

NDE100-NE PROFIBUS DP Plug – M12, metal case, for Ex (Haz.) and Non-Ex area



M00720

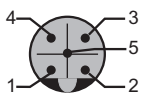
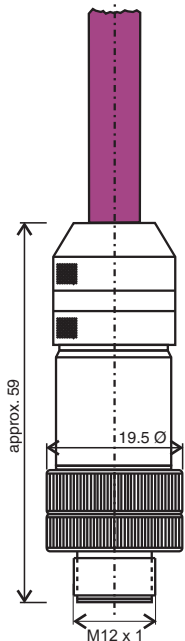
Technical data

Poles	5 Poles, DP code
Type of connection	Screwed
Cross-sectional area of connection	0.75 mm ²
Connecting thread	M12
Contact surface	CuZnAu
Housing protection to DIN 40050 IEC 529	IP 67 with cable Ø 4 ... 9 mm
Material of housing	CuZn surface nickel
Inflammability to UL-94	V-2
Operating temperature	-25 ... 85 °C
Rated current per contact	3 A
Nominal voltage to	
VDE standard 0110/ISO group C	125 V~ 150 V=
Tracking resistance	KC 600
Volume resistivity to IEC512 part 2	≤ 8 MΩ
Insulation resistance to IEC 512 part 2	≥ 10 ¹² Ω

Installation advice

Screw terminals	0.4 Nm
Coupling ring PG cable gland	4.0 Nm
Knurled screw	Hand-tight

Dimensions



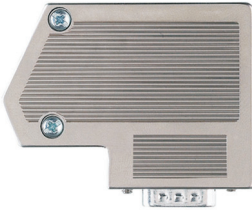


Frontview of plug and socket connector

Male	wire-colour	bus	referenz
1	not used	n.c.	n.c.
2	green	RxD/TxD-N	A
3	not used	n.c.	n.c.
4	red	RxD/TxD-P	B
5		shield	S

All drawings not scaled! All units in millimeter!

PROTECTION REMARK TO DIN 34 MUST BE OBSERVED

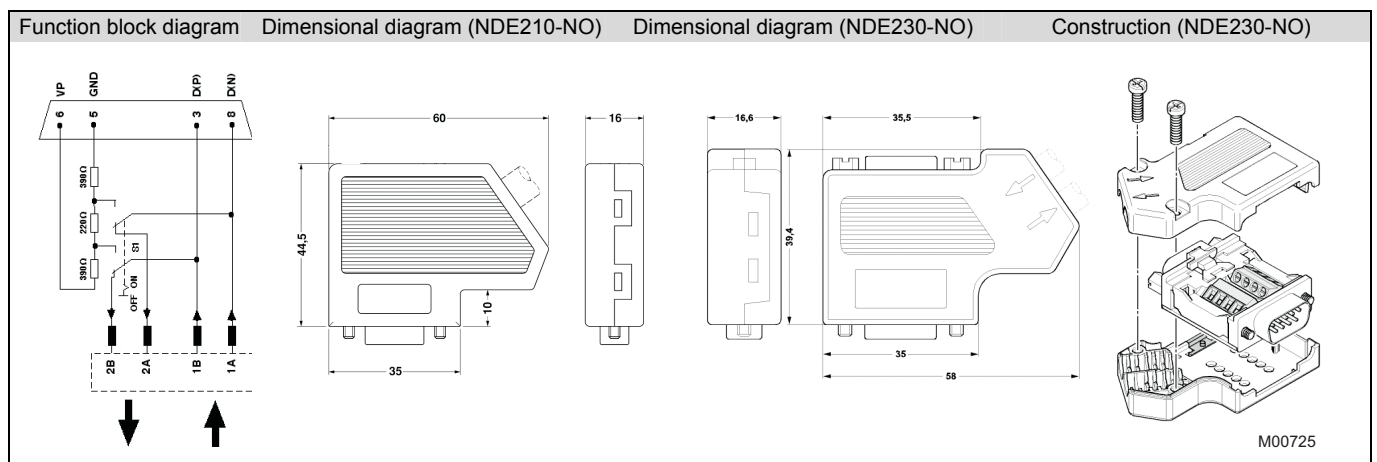
M00721

PROFIBUS DP connectors			
	 M00722	 M00723	 M00724
	NDE210-NO	NDE220-NO	NDE230-NO
Application	PROFIBUS DP connector	PROFIBUS DP connector	PROFIBUS DP connector
Internet	www.abb.com/fieldbus	www.abb.com/fieldbus	www.abb.com/fieldbus

Connector	9-pos. D-SUB male connector	9-pos. D-SUB male connector	9-pos. D-SUB male connector 9-pos. D-SUB female connector
Programming connector	-	-	-
Terminal resistance	-	220 Ω / 390 Ω, resistor can be enabled externally	220 Ω / 390 Ω, resistor can be enabled externally
Cable feed	Selectable right or left, 35°	Selectable right or left, 35°	Left, 35°
Terminal blocks	Screw-cage	Screw-cage	Screw-cage
Conductor cross-section	Solid: 0.14 ... 1.5 mm ² , flexible: 0.14 ... 1 mm ² , AWG: 26 ... 16	Solid: 0.14 ... 1.5 mm ² , flexible: 0.14 ... 1 mm ² , AWG: 26 ... 16	Solid: 0.14 ... 1.5 mm ² , flexible: 0.14 ... 1 mm ² , AWG: 26 ... 16
Cable diameter	Max. / min.: 8 mm (± 0.4 mm)	Max. / min.: 8 mm (± 0.4 mm)	Max. / min.: 8 mm (± 0.4 mm)
Bus cable	The connector is specified for cable type A according to EN 50 170 (see data sheet 10/63-6.47)		

Temperature range	-20 ... 75 °C	-20 ... 75 °C	-20 ... 75 °C
Degree of protection	IP 40	IP 40	IP 40
Housing material	ABS, metal-plated	ABS, metal-plated	ABS, metal-plated
Connector cycles	> 200	> 200	> 200
Explosion protection	-	-	-
FISCO approval	-	-	-
Approvals	CE acc. LVD, UL, C-UL	CE acc. LVD, UL, C-UL	CE acc. LVD, UL, C-UL

Protocol	EIA 485 (RS 485)	EIA 485 (RS 485)	EIA 485 (RS 485)
Max. Baud rate	12 Mbit/s	12 Mbit/s	12 Mbit/s
Max. voltage	60 V AC / DC	60 V AC / DC	60 V AC / DC
Max. current	1 A	1 A	1 A



All drawings not scaled! All units in millimeter!

NDZ411-NE Protecting Cap for all plugs M12, plastic



M00726

NDZ413-NE Protecting Cap for all sockets M12, plastic



M00727

Ordering information

PROFIBUS PA Junctions (IP 66 case)	Catalog No.
NPJ120-NO (856406) PROFIBUS PA T (one-way) junction, IP 66 case, 2 x cable bushing and 1 x socket M12, incl. switchable bus termination	9890101
NPJ130-NO (856409) PROFIBUS PA / FOUNDATION Fieldbus-H1 T (one-way) junction, IP 66 case, 3 x cable bushing, incl. switchable bus termination	9890102
NPJ420-NO (856408) PROFIBUS PA four-way junction, IP 66 case, 2 x cable bushing and 4 x socket M12, incl. switchable bus termination	9890103
NPJ460-NO (856411) PROFIBUS PA / FOUNDATION Fieldbus-H1 four-way junction, IP 66 case, 6 x cable bushing, incl. switchable bus termination	9890104
NPJ120-EX (856415) PROFIBUS PA T (one-way) junction, IP 66 case, 2 x cable bushing and 1 x socket M12, for the Ex (Haz.) area	9890105
NPJ130-EX (856418) PROFIBUS PA / FOUNDATION Fieldbus-H1 T (one-way) junction, IP 66 case, 3 x cable bushing, for the Ex (Haz.) area	9890106
NPJ420-EX (856417) PROFIBUS PA four-way junction, IP 66 case, 2 x cable bushing and 4 x socket M12, for the Ex (Haz.) area	9890107
NPJ460-EX (856420) PROFIBUS PA / FOUNDATION Fieldbus-H1 four-way junction, IP 66 case, 6 x cable bushing, for the Ex (Haz.) area	9890108
NPZ100-EX (860619) PROFIBUS PA / FOUNDATION Fieldbus-H1 bus termination for junction modules NPJ__0-EX, IP 66 case for the Ex (Haz.) area	9890120
PROFIBUS PA Connectors	Catalog No.
NPE100-NE (945564) PA plug for cable, metal case, M12, for Ex (Haz.) and Non-Ex area	9890115
NPE300-NE (842622) PA socket for cable, metal case, M12, for Ex (Haz.) and Non-Ex area	9890116

Ordering information

PROFIBUS PA Junctions (IP 20 modules)	Catalog No.
<p>NGJ100-NE</p> <p>Fieldbus junctions: Line In module for PROFIBUS PA / FOUNDATION Fieldbus-H1 to connect the trunk to the Current Limiter module, Trunk line is prevented against over voltage (OVP), Input (Trunk line) max. 17.5 V DC / 380 mA IP 20, for the Non-Ex area, Dimensions (L x W x H) 88.4 x 8 x 52 mm (877005)</p> <p>Fieldbus junctions: Current Limiter module for PROFIBUS PA / FOUNDATION Fieldbus-H1 as (one-way) junction to build up spur lines Max. 20 spurs (Modules) per fieldbus segment (Line In module), Field device disconnected by 60 mA or short circuit cases, Output (Spur line) max. 17.5 V DC / 60 mA IP 20, for the Non-Ex area, Dimensions (L x W x H) 88.4 x 8 x 52 mm (877002)</p> <p>Fieldbus junctions: Bus Terminator module for PROFIBUS PA / FOUNDATION Fieldbus-H1 as lock for each trunk line for NGJ100-NE IP 20, for the Non-Ex area, Dimensions (L x W x H) 88.4 x 8 x 52 mm (877004)</p> <p>Fieldbus junctions: Shield module for PROFIBUS PA / FOUNDATION Fieldbus-H1 as stabilization of fieldbus shields IP 20, for the Non-Ex area, Dimensions (L x W x H) 88.4 x 8 x 52 mm (878144)</p>	<p>3KXN623100L0010</p> <p>3KXN623100L0020</p> <p>3KXN623100L0040</p> <p>3KXN623100L0050</p>
Accessories (IP 20 modules)	Catalog No.
<p>NGZ100-NE</p> <p>Accessories (IP 20 modules), 2 pol jumper to wrap the modules easily Packing unit 50 pcs. (046110)</p> <p>Accessories (IP 20 modules), 4 pol jumper to wrap the modules easily Packing unit 50 pcs. (046130)</p> <p>Accessories (IP 20 modules), 15 pol jumper to wrap the modules easily. Packing unit 10 pcs. (190479)</p>	<p>3KXN622100L0002</p> <p>3KXN622100L0004</p> <p>3KXN622100L0006</p>

Ordering information

PROFIBUS DP Junctions (IP 66 case)			Catalog No.
NDJ120-NO	(856435)		9890109
PROFIBUS DP T (one-way) junction, 2 x cable bushing and 1 x socket M12, without bus termination, aluminum housing			
NDJ122-NO	(856433)		9890110
PROFIBUS DP T (one-way) junction, 2 x cable bushing and 1 x socket M12, incl. active fix bus termination (24 V DC supply), aluminum housing			
NDJ130-NO	(856434)		9890112
PROFIBUS DP T (one-way) junction, 3 x cable bushing, without bus termination, aluminum housing			
NDJ132-NO	(856429)		9890123
PROFIBUS DP T (one-way) junction, 3 x cable bushing, incl. active fix bus termination (24 V DC supply), aluminum housing			
NDJ120-NOS	(871427)		9890111
PROFIBUS DP T (one-way) junction, 2 x cable bushing (plastic) and 1 x socket M12 (Stainless steel), without bus termination, stainless steel housing			
NDJ122-NOS	(871425)		9890124
PROFIBUS DP T (one-way) junction, 2 x cable bushing (plastic) and 1 x socket M12 (Stainless steel), incl. active fix bus termination (24 V DC supply), stainless steel housing			
PROFIBUS DP Connectors			Catalog No.
NDE210-NO	(2744597)		9890117
PROFIBUS DP plug, 9-pos. SUB-D, IP 40, max. 12 MBd, 35° cable outlet, without bus termination			
NDE220-NO	(2708232)		9890118
PROFIBUS DP plug, 9-pos. SUB-D, IP 40, max. 12 MBd, 35° cable outlet, incl. switchable bus termination			
NDE230-NO	(2708245)		9890119
PROFIBUS DP plug, 9-pos. SUB-D, IP 40, max. 12 MBd, 35° cable outlet, incl. switchable bus termination, programming connection SUB-D			
NDE100-NE	(178479)		9890113
PROFIBUS DP plug for cable, metal case, M12, for Ex and Non-Ex area			
PROFIBUS general - Accessories			Catalog No.
NDZ411-NE	(178152)	Preis und Bestellnummer pro Kappe	9890121
Protecting cap for all plugs M12, plastic Packing unit 30 pcs. , Order quantity: 30, 60, 90, ...pcs.			
NDZ413-NE	(945605)	Preis und Bestellnummer pro Kappe	9890122
Protecting cap for all sockets M12, plastic Packing unit 30 pcs. , Order quantity: 30, 60, 90, ...pcs.			

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