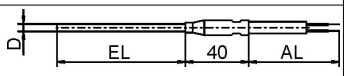
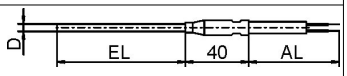
ATEX/IECEx RTD Temperature Probe with Connecting Cable According to Directive 2014/34/EU (902821)

- For temperatures from -100 to +600 °C
- Available as single, double, or triple RTD temperature probe in two-wire, three-wire, or four-wire circuit
- Various connecting cables (including silicone, PTFE, metal braiding/glass fiber, PVC, PUR, FEP, RADOX®, BETAflam®, FPM), also available in shielded versions
- Application-specific design types

Order details

						(1)	**Basic type**	
						902821/80	Ex "i" - screw-in RTD with connecting cable	
						902821/81	Ex "i" - push-in RTD with connecting cable	
						902821/82	Ex "i" - MI RTD with connecting cable (operating temperature of sheathed cable -50 up to +600 °C)	
						902821/90	Ex "e" - screw-in RTD with connecting cable	
						902821/91	Ex "e" - push-in RTD with connecting cable	
						902821/92	Ex "e" - MI RTD with connecting cable (operating temperature of sheathed cable -50 up to +600 °C)	
						(2)	**Operating temperature in °C**	
X	X	X	X	X	X	302	-70..200°C	
X	X	X	X	X	X	303	-70..260°C	
X	X	X	X	X	X	373	-50..+150°C (FPM)	
X	X	X	X	X	X	378	-50..+180°C (silicone)	
X	X	X	X	X	X	380	-50 to 200 °C	
X	X	X	X	X	X	386	-50..+260°C (PTFE)	
X	X	X	X	X	X	402	-50..+400°C (metal-braided, glass fibre)	
		X			X	415	-50..600°C	
X	X	X	X	X	X	478	-40..+120°C (RADOX®)	
X	X	X	X	X	X	484	-40..+120°C (BETAflam®)	
X	X	X	X	X	X	572	-30..80°C	
X	X	X	X	X	X	724	-5..+80°C (PVC)	
X	X	X	X	X	X	730	-5..+105°C (PVC)	
X	X	X	X	X	X	908	5..105°C (PUR)	
						(3)	**Measuring insert**	
X	X	X	X	X	X	1001	1x Pt100 in 3-wire circuit	
X	X	X	X	X	X	1003	1x Pt100 in 2-wire circuit	
X	X	X	X	X	X	1005	1x Pt1000 in 2-wire circuit	
X	X	X	X	X	X	1011	1x Pt100 in 4-wire circuit	
X	X	X	X	X	X	2001	2x Pt100 3-wire	
X	X	X	X	X	X	2003	2x Pt100 in 2-wire circuit	
X	X	X	X	X	X	2005	2x Pt1000 in 2-wire circuit	
X	X		X	X		2011	2x Pt100 in 4-wire circuit	
X	X		X	X		3028	3x Pt100, 1x 2-wire circuit, 2x 3-wire circuit	
						(4)	**Tolerance class**	
X	X	X	X	X	X	1	Class B	
X	X	X	X	X	X	2	Class A	
X	X	X	X	X	X	3	Class AA	
						(5)	**Diameter prot. tube**	
X	X	X	X	X	X	3,00	Ø 3 mm	
X	X		X	X		4,00	Ø 4 mm	
X	X		X	X		5,00	Ø 5 mm	
X	X	X	X	X	X	6,00	Ø 6 mm	
X	X		X	X		7,00	Ø 7 mm	
X	X		X	X		8,00	Ø 8 mm	
X	X		X	X		9,00	Ø 9 mm	

						(6)	**Fitting length in mm**
X	X	X	X	X	X	20,00 - 50000,00	20 - 50000 mm
						(7)	**Process connection**
	X	X		X	X	000	Without process connection
X			X			102	Screw connection G 1/4
X			X			104	Screw connection G 1/2
X			X			106	Screw connection G 1
X			X			114	Screw connection M10 x 1
X			X			115	Screw connection M10 (x1,5)
X			X			121	Screw connection M14 x 1,5
	X			X		611	Clamping socket (clamp) DN 10/20 DIN 32676
	X			X		613	Clamping socket (clamp) DN 25/32/40 DIN 32676 (1 1/2" ISO 2852)
	X			X		616	Clamping socket (Clamp) DN 50 DIN 32676 (2" ISO 2852)
	X			X		617	Clamping socket (clamp) 2 1/2" similar to DIN 32676
X			X			997	JUMO PEKA adapter system
						(8)	**Process connection material**
	X	X		X	X	00	Without process connection
X	X		X	X		24	CrNi 1.4404
X	X		X	X		26	CrNi 1.4571
X	X		X	X		31	CrNi 1.4435
						(9)	**Connecting cable end**
X	X	X	X	X	X	03	Stripped cable ends
X	X	X	X	X	X	05	Half-stripped
X	X	X	X	X	X	11	Ferrules
X	X	X	X	X	X	13	Socket 6,3
X	X	X	X	X	X	23	Contact pin 6,3
X	X	X	X	X	X	42	Lemosa coupling
X	X	X	X	X	X	56	M12 connector
X	X	X	X	X	X	57	M8-Stecker
						(10)	**Connecting line length in mm**
X	X	X	X	X	X	20 - 100000	20 - 100000mm
						(11)	**Extra codes**
X	X	X	X	X	X	000	Without extra code
X	X		X	X		310	Protection tube stepped down
X	X		X	X		315	Bend protection spring
X	X		X	X		316	Bend protection tubing
X	X	X	X	X	X	317	Shielded connecting cable
X	X	X				362	Ex-protection Ex i according to directive 2014/34/EU (ATEX)
			X	X	X	363	Ex-protection Ex e according to directive 2014/34/EU (ATEX)
X	X	X	X	X	X	658	SIL- and PL-suitable with safety temperature limiter and safety temperature monitor 70115X
X	X	X	X	X	X	659	SIL- and PL-suitable with Transm. T06

Order code

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)
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Stock versions

Order code	Part no.
902821/82-415-1005-1-3-100-000-00-25-11-3000/362,658,	00740188