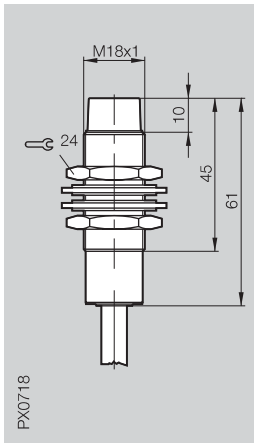
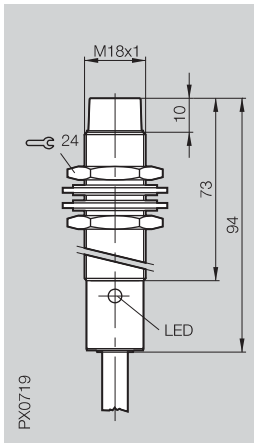
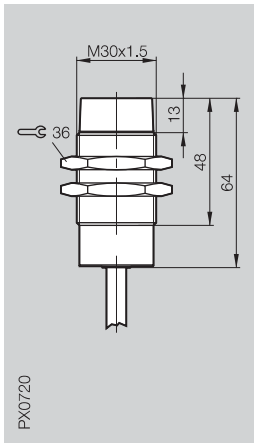
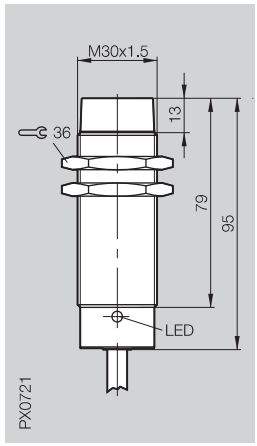
Housing size	**M18×1**	**M18×1**	**M30x1.5**	**M30x1.5**
Type	Transmitter ←·····→	Output sensor	Transmitter ←·····→	Output sensor
Transmission distance	**3 mm**		**5 mm**	
Installation type	non-flush	non-flush	non-flush	non-flush





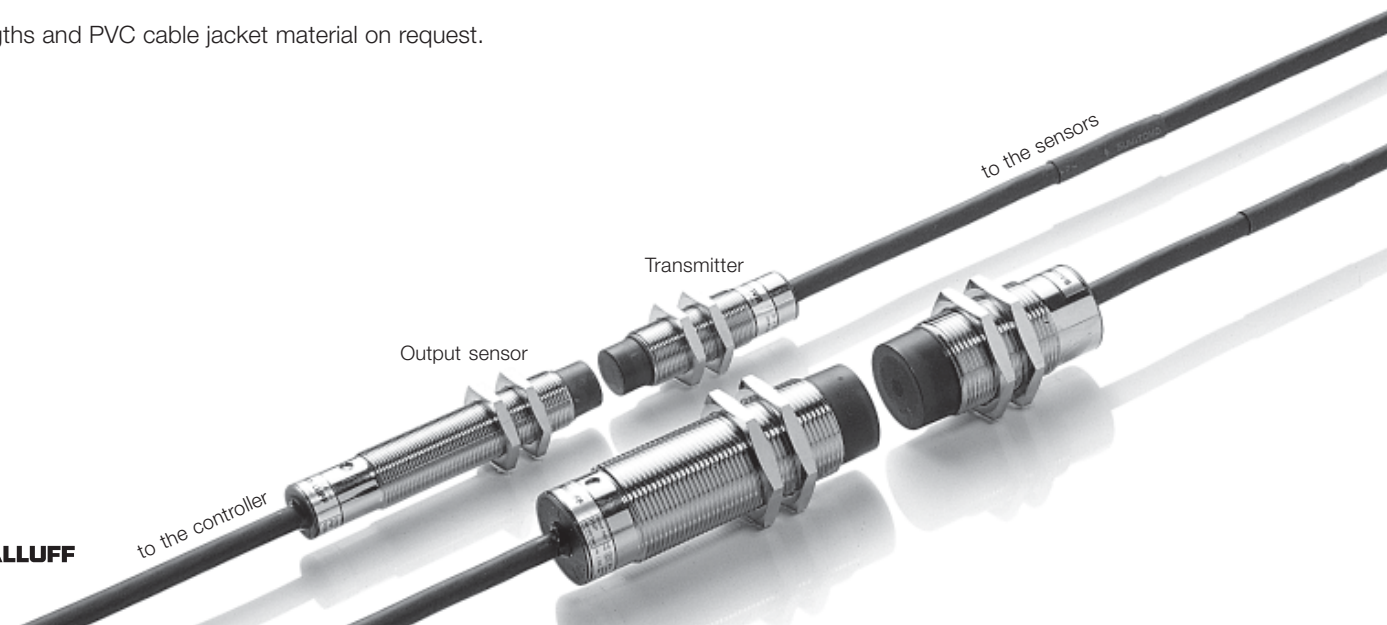




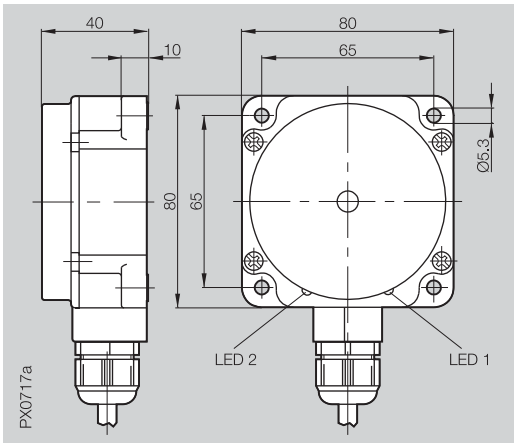
Transmitter	RPTA 1803-PU-05		RPTA 3005-PU-05	
Output sensor PNP		RPEA 1803P-PU-05		RPEA 3005P-PU-05
Assured transmission distance	0.5...3 mm		1...5 mm	
Supply voltage U_B incl. ripple		24 V DC ±5 %		24 V DC ±5 %
Voltage drop U_d at I_e		≤ 1.5 V		≤ 1.5 V
Rated operational current I_e		≤ 50 mA per output		≤ 50 mA per output
No-load supply current I_0 max.		≤ 170 mA		≤ 150 mA
Off-state current I_r		≤ 80 µA		≤ 80 µA
Short circuit protected		yes		yes
Tightening torque	40 Nm	40 Nm	40 Nm	40 Nm
Radial offset	±2.5 mm ±2 mm		±6 mm ±4 mm	
Operating current (for sensors)	≤ 20 mA ≤ 30 mA		≤ 30 mA ≤ 40 mA	
Output voltage (for sensors)	12 ±1.5 V DC		12 ±1.5 V DC	
Rated insulation voltage U_i	75 V DC		75 V DC	
Ambient temperature range T_a	0...+50 °C	0...+50 °C	0...+50 °C	0...+50 °C
Switching frequency f		30 Hz		30 Hz
Function/Supply voltage indicator		yes/yes		yes/yes
Degree of protection per IEC 60529	IP 67	IP 67	IP 67	IP 67
Housing material	Nickel plated brass	Nickel plated brass	Nickel plated brass	Nickel plated brass
Material of sensing face	PA 12	PA 12	PA 12	PA 12
Connection type	5 m PUR cable	5 m PUR cable	5 m PUR cable	5 m PUR cable
No. of wires × cross-section	7×0.3 mm²	7×0.3 mm²	7×0.3 mm²	7×0.3 mm²
	for max. 4 sensors			

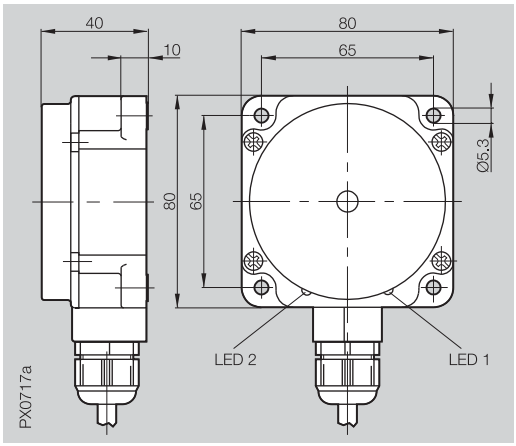
For your electrical planning,
please ask for the user's guide!

Other cable lengths and PVC cable jacket material on request.



80×80×40 mm		**80×80×40 mm**
Transmitter	←····→	Output sensor
15 mm		
non-flush		non-flush





RPTA 8010-PU-05		RPEA 8010P-PU-05
2...15 mm	4...10 mm	
		24 V DC ±5 %
		≤ 1.5 V
		≤ 50 mA per output
		≤ 300 mA
		≤ 80 µA
		yes
±8 mm	±6 mm	
≤ 50 mA	≤ 100 mA	
12 ±1.5 V DC		
75 V DC		
0...+50 °C		0...+50 °C
		30 Hz
		yes/yes
IP 67		IP 67
PBT		PBT
PBT		PBT
5 m PUR cable		5 m PUR cable
12×0.18 mm²		12×0.18 mm²
for max. 8 sensors