



# burkert









A rotork Brand

Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

We offer a full range of valve & instrumentation products & services, with our product rangerepresenting leading technologies & brands:

**Flow:** Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

**Temperature:** Temperature Probes & Thermowells, Temperature ransmitters, Temperature Regulators & Temperature Displays

Level: Level Transmitters & Switches

**Pressure:** Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

**Precision Pneumatics:** Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

**Valves:** Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

**Services:** Repair, Calibration, Panel Build, System Design & Commissioning



# A rotorik Brand



# Honeywell



Baumer Group









Fine Controls (UK) LTD, Bassendale Road, Croft Business Park, Bromborough, Wirral, CH62 3QL UK Tel: 0151 343 9966 Email: sales@finecontrols.com









Type S030 INLINE fitting

Type 6213 Solenoid valve

The paddle-wheel transmitter is especially designed for use in neutral, slightly aggressive, solid free liquids. The transmitter is made up of a compact fitting (S030) and an electronic module (SE35) quickly and easily connected together by a Quarter-Turn.

The Bürkert designed fitting system ensures simple installation of the sensors into all pipes from DN 06 to 65.

The compact INLINE flow transmitter is available in different versions:

- Flow transmitter with standard output signal
- Battery powered

## Digital flow transmitter for continuous flow measurement

- Compact or remote version for DN 06 to 65
- Shows both flow rate and volume (with two totalizers)
- Automatic-calibration: TEACH-IN
- Simulation: all output signals provided without the need for real flow



Type 2712 (8630) Continuous TopControl system

Type 8644 Valve

islands



Technical data				
General data				
Compatibility	with fittings S030 (see corresp. data sheet)			
Materials Housing, cover, lid, nut Front panel foil / Screws Cable plug or glands Wetted parts materials Fitting, sensor armature Paddle-wheel Axis and bearing / Seal	PC Polyester / Stainless steel PA Brass, stainless steel 1.4435/316L, PVC, PP or PVDF PVDF Ceramics / FKM (EPDM included, but non-mounted)			
Display	15 x 60 mm, 8-digit LCD, alphanumeric, 15 segments, 9 mm high			
Electrical connections	Cable plug acc. to EN 175301-803 or cable glands M20 x 1.5 or none (for battery version)			
Voltage supply cable max. 50 m, shielded, 1.5 mm <sup>2</sup> max. cross-section				
Complete device data (Fitting S030 + Electronics)				
Pipe diameter	DN 06 to 65			
Measuring range	0.5 to 10 m/s (Battery version - Coil transducer) 0.3 to 10 m/s (Hall transducer version)			
Fluid temperature with fitting in PVC / PP PVDF, brass or stainless steel	0 up to 50°C (32 to 122°F) / 0 up to 80°C (32 to 176°F) -15 up to 100°C (5 to 212°F)			
Fluid pressure max.	PN10 (145.1 PS) (with plastic fitting) - PN16 (232.16 PS) (with metal fitting) - (PN40 on request, see S030 data sheet) - see pressure/temperature diagram			
Viscosity / Particle rates	300 cSt. max. / 1% max (size: max. 0.5 mm)			
Accuracy Teach-In Standard K-factor	$\leq \pm 0.5\%$ of F.S.* (at 10 m/s) <sup>1)</sup> $\leq \pm (0.5\%$ of F.S.* + 2.5% of Reading) <sup>1)</sup>			
Linearity	$\leq \pm 0.5\%$ of F.S.* (at 10 m/s) <sup>1)</sup>			
Repeatability	$\leq$ 0.4% of Reading <sup>1)</sup>			

1) Under reference conditions i.e. measuring fluid=water, ambient and water temperature=20°C, applying the minimum inlet and outlet pipe straights, matched inside pipe dimensions. \* F.S.=Full scale (10 m/s)

### 8035 Transmitter

Power supply Standard signal version         12-30 V DC (V+) ± 10%, filtered and regulated or 115/230 VAC 50/60 H2 (see technical specifications 115/230 VAC) 2 x 9 V DC batteries, autonomy min. 1 year at 20°C           Reversed polarity of DC         protected           Current consumption with sensor (without consumption of pulse output)         5 70 m A - transmitter with relays 5 20 m A - transmitter without relay           Signal current         4-20 mA (3-wire with relays; 2-wire without relay) max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with at 15/230 VAC UDC; 800 Ω with at 15/230 VAC UDC 2 relays, freely programmable, 3A, 230 V AC           Pulse         Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V AC           Relay         27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA           Environment         0 up to +60°C (operation and storage) < 60 %, without condensation           Standards, directives and approvals         IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.           Standard and directives         EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1           Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brase) Vibration         S0 VAC and 42 V peak max. or 60 V DC.           Shock         30 V AC and 42 V peak max. or 60 V DC.           Relay output         30 V AC and 42 V peak	Electrical data					
Standard signal version       12-30 V DC (V+) ± 10%, filtered and regulated or 115/230 VAC 50/60 Hz (see technicial specifications 115/230 VAC)         Battery indicator / totalizer version       2 x 9 V DC batteries, autonomy min. 1 year at 20°C         Reversed polarity of DC       protected         Current consumption with sensor       ≤ 70 mA - transmitter with relays         Standard signal version       5 20 mA - transmitter without relay         Standard signal version       4-20 mA (3-wire with relays: 2-wire without relay)         Standard signal version       4-20 mA (3-wire with relays: 2-wire without relay)         Standard signal version       4-20 mA (3-wire with relays: 2-wire without relay)         Standard signal version       4-20 mA (3-wire with relays: 2-wire without relay)         Pulse       Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA : 1.5 VDC         Relay       2 relays, freely programmable, 3A, 230 V AC         None       None         Technical specifications 115/23       VAC         Voltage supply available in-       27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA         Environment       0 up to +60°C (operation and storage)         Relative humidity       ≤ 80 %, without condensation         Standards, directives and approversion       Standards, firectives and approversion (Si Si from 2006/95/CE directive*	Power supply					
Battery indicator / totalizer version2 x 9 V DC batteries, autonomy min. 1 year at 20°CReversed polarity of DCprotectedCurrent consumption with sensor< 20 mA - transmitter with relays(without consumption of pulse output)< 20 mA - transmitter without relayOutputStandard signal version4-20 mA (3-wire with relays; 2-wire without relay)Signal current4-20 mA (3-wire with relays; 2-wire without relay)Max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with at 115/230 V AC voltage supplyPulsePolarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V ACBattery indicator / totalizer versionNoneTechnical specifications 115/23VACVoltage supply available in- side the device27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment1/26 % Without condensationStandards, directives and approxerIP65 % Without condensationStandard and directives EMC SecurityEN 6100-6-3 (2001), EN 6100-6-2 (2001) EN 61010-1Pressure (Fitting S030, DN06 to 65, i, PVC, PP, PVDF, stainless steel or brasso) VibrationS0 VAC and 42 V peak max. or 60 V DC.Specific technical data of URS0 VAC and 42 V peak max. or 60 V DC.Relay output30 V AC and 42 V peak max. or 60 V DC.Relay outputmax. 80 %Intended for an inner pollutiondegree 2 environmentInstallation category1		12-30 V DC (v+) ± 10%, filtered and regulated or				
Reversed polarity of DC         protected           Current consumption with sensor (without consumption of pulse output)         ≤ 70 mA - transmitter with relays ≤ 20 mA - transmitter without relay           Output         Standard signal version Signal current         4-20 mA (3-wire with relays; 2-wire without relay) max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with a 115/230 V AC voltage supply Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V AC           Relay         2 relays, freely programmable, 3A, 230 V AC           Battery indicator / totalizer version         None           Technical specifications 115/23         VAC           Voltage supply available in- side the device         27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA           Environment         0 up to +60°C (operation and storage)           Relative humidity         ≤80 %, without condensation           Standards, directives and apprust         Protection class           Protection class         IP66 with cable or screws plug mounted and tightened or with obturator locked if not used.           Standard and directives         EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1           Protection class         IP66 with cable or screws plug mounted and tightened or with obturator locked if not used.           Standard and directives EMC Shock         S0 VAC and 42 V peak max. or 60 V						
Current consumption with sensor (without consumption of pulse output)       ≤ 70 mA - transmitter with relays ≤ 20 mA - transmitter without relay         Output Standard signal version Signal current       4-20 mA (3-wire with relays; 2-wire without relay) max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with a 115/230 V AC voltage supply Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V AC         Relay Battery indicator / totalizer version       27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA         Voltage supply available in- side the device       27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA         Environment       0 up to +60°C (operation and storage)         Standards, directives and apprvuls       ≤ 80 %, without condensation         Standards, directives and apprvuls       EN 61000-6-3 (2001), EN 61000-6-2 (2001)         Proseurity Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brase) Vibration       Complying with article 3 of §3 from 2006/95/CE directive* EN 60068-2-6 EN 60068-2-6 EN 60068-2-6 EN 60068-2-6         Specific technical data of UR       Complying with article 3 of §3 from 2006/95/CE directive* EN 60068-2-6 EN 60068-2-6         Specific technical data of UR       Complying with article 3 of §3 from 2006/95/CE directive* EN 60068-2-6 EN 60068-2-6 EN 60068-2-6         Specific technical data of UR       Complying with article 3 of §3 from 2006/95/CE directive* EN 6006	Battery indicator / totalizer version	2 x 9 V DC batteries, autonomy min. 1 year at 20°C				
(without consumption of pulse output)≤ 20 mA - transmitter without relayOutputStandard signal version4-20 mA (3-wire with relays; 2-wire without relay) max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with a 115/230 V AC voltage supply Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V ACRelay27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAPutronment27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Relative humidity≤ 80 %, without condensationStandards, directives and apprvs/IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Protection classIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Protection classIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 60068-2-6 EN 60068-2-6ShockEN 60068-2-6 EN 60068-2-6Shock30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 80 %Intended for an inner pollutiondegree 2 environmentIns						
Output Standard signal version Signal current       4-20 mA (3-wire with relays; 2-wire without relay) max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with a 115/230 V AC voltage supply Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V AC         Battery indicator / totalizer version       None         Technical specifications 115/230       VAC         Voltage supply available in- side the device       27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA         Environment       0 up to +60°C (operation and storage)         Relative humidity       ≤ 80 %, without condensation         Standards, directives and approvals       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration       Complying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27         Specific technical data of UR art CSA recognized products       Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C       max. 40°C       max. 80 %       Intended for an inner pollution         Intended for an inner pollution       degree 2 environment       Intended for an inner pollution       degree 2 environment		5				
Standard signal version Signal current4-20 mA (3-wire with relays; 2-wire without relay) max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with a 115/230 V AC voltage supply Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V ACRelay Battery indicator / totalizer version22 relays, freely programmable, 3A, 230 V ACTechnical specifications 115/23VACVoltage supply available in- side the device27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Relative humidity≤ 80 %, without condensationStandards, directives and approximation locked if not used.Standard and directives EMC Security Prosesure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) VibrationEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Specific technical data of UR Prosesure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) VibrationStandard and directives EN 60068-2-6 EN 60068-2-6Specific technical data of UR Relay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature Matient temperature30 V AC and 42 V peak max. or 60 V DC.Ambient temperature Relay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature No 		≤ 20 mA - transmitter without relay				
Signal current4-20 mA (3-wire with relays; 2-wire without relay) max. loop impedance: 900 Ω at 30 V DC; 600 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω at 24 V DC; 50 Ω at 12 V DC; 800 Ω with a 115/230 V AC voltage supply Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V ACRelay2 relays, freely programmable, 3A, 230 V ACBattery indicator / totalizer version27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment90 up to +60°C (operation and storage)Standards, directives and approxerForeProtection classPfo5 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Proc. PP, PVDF, stainless steel or brass) VibrationComplying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6Specific technical data of UR30 V AC and 42 V peak max. or 60 V DC.Ambient temperature30 V AC and 42 V peak max. or 60 V DC.Ambient temperatureimax. 40°CRelative humidity30 V AC and 42 V peak max. or 60 V DC.Ambient temperatureimax. 40°CIntended for an inner pollutiondegree 2 environmentInstallation categoryI	•					
max. loop impedance: 900 Ω at 30 V DC;         600 Ω at 24 V DC; 50 Ω at 12 V DC;         800 Ω with a 115/230 V AC voltage supply         Polarized, potential free, 530 V DC; 100 mA,         protected, line drop at 100 mA: 1.5 VDC         2 relays, freely programmable, 3A, 230 V AC         Battery indicator / totalizer version         None         Technical specifications 115/230         VAC         Voltage supply available inside the device         27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA         Environment         Ambient temperature       0 up to +60°C (operation and storage)         Relative humidity       ≤ 80 %, without condensation         Standards, directives and approvers       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       EN 61000-6-3 (2001), EN 61000-6-2 (2001)         Security       FN 61010-1         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)       Complying with article 3 of §3 from 2006/95/CE directive.*         EN 60068-2-6       EN 60068-2-27         Specific technical data of UR       CSA recognized products         Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C	ů,	4-20 mA (3-wire with relays: 2-wire without relay)				
Pulse800 Ω with a 115/230 V AC voltage supply Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V ACRelay Battery indicator / totalizer version27 relays, freely programmable, 3A, 230 V ACTechnical specifications 115/230VACVoltage supply available in- side the device27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Ambient temperature Standards, directives and approximation0 up to +60°C (operation and storage)Standard and directives EMC SecurityIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directives EMC ShockEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Protection Shock30 V AC and 42 V peak max. or 60 V DC.Ambient temperature EM2 output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature EM3 output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature EM3 output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature Ambient temperaturemax. 40°CRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature Ambient temperaturemax. 40°CRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature Ambient temperaturemax. 40°CRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelay output40 %	olgilal ballolit					
Pulse       Polarized, potential free, 530 V DC; 100 mA, protected, line drop at 100 mA: 1.5 VDC         Relay       2 relays, freely programmable, 3A, 230 V AC         Battery indicator / totalizer version       None         Technical specifications 115/23       VAC         Voltage supply available inside the device       27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA         Environment       27 V DC regulated - max. current: 125 mA temporised power: 3 VA         Environment       0 up to +60°C (operation and storage)         Standards, directives and approversist       Standards, directives and approversist         Protection class       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       EN 61000-6-3 (2001), EN 61000-6-2 (2001)         Security       EN 61010-1         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)       Complying with article 3 of §3 from 2006/95/CE directive.*         Shock       EN 60068-2-6       EN 60068-2-7         Specific technical data of UR       CSA recognized products         Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C         Relative humidity       max. 80 %         Intended for an inner pollution       degree 2 environment </td <td></td> <td>600 Ω at 24 V DC; 50 Ω at 12 V DC;</td>		600 Ω at 24 V DC; 50 Ω at 12 V DC;				
Relay Battery indicator / totalizer versionprotected, line drop at 100 mA: 1.5 VDC 2 relays, freely programmable, 3A, 230 V AC NoneTechnical specifications 115/23VACVoltage supply available in- side the device27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Ambient temperature0 up to +60°C (operation and storage)Standards, directives and approximationStandards, directives and approximationStandard and directives EMC Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) VibrationEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Specific technical data of URComplying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC. max. 40°CAmbient temperature Matient temperatureIntended for an inner pollution degree 2 environmentInstallation category1						
Relay Battery indicator / totalizer version2 relays, freely programmable, 3A, 230 V AC NoneBattery indicator / totalizer versionNoneTechnical specifications 115/23VACVoltage supply available in- side the device27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Ambient temperature0 up to +60°C (operation and storage)Relative humidity≤ 80 %, without condensationStandards, directives and approximationENC EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brase) VibrationEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Specific technical data of URComplying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-6 EN 60068-2-27Specific technical data of URStard and 42 V peak max. or 60 V DC. max. 40°CAmbient temperature Ambient temperature30 V AC and 42 V peak max. or 60 V DC. max. 80 %Intended for an inner pollution Installation category1	Pulse					
Battery indicator / totalizer version       None         Technical specifications 115/230       VAC         Voltage supply available in- side the device       27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA         Environment       0 up to +60°C (operation and storage)         Relative humidity       ≤ 80 %, without condensation         Standards, directives and approximation       Standards, directives and approximation         Standard and directives       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1         Security       FN 61010-1         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration       Complying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-6         Specific technical data of UR =/ CSA recognized products       FRelay output         30 V AC and 42 V peak max. or 60 V DC.       max. 40°C         Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C         Relative humidity       max. 80 %         Intended for an inner pollution       degree 2 environment         Installation category       1	Relay					
Technical specifications 115/230 VACVoltage supply available in- side the device27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Ambient temperature0 up to +60°C (operation and storage)Relative humidity≤ 80 %, without condensationStandards, directives and approversionIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Security Pressure (Fitting S030, DN06 to 66, in PVC, PP, PVDF, stainless steel or brass) Vibration ShockComplying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC. max. 40°CAmbient temperature Matient ender for an inner pollution Intended for an inner pollution1	,					
side the deviceintegrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Ambient temperature0 up to +60°C (operation and storage)Relative humidity≤ 80 %, without condensationStandards, directives and approversionIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration ShockComplying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC. max. 40°CAmbient temperature Relative humiditymax. 80 %Intended for an inner pollution Installation categorydegree 2 environment						
side the deviceintegrated protection: fuse 125 mA temporised power: 3 VAEnvironment0 up to +60°C (operation and storage)Ambient temperature0 up to +60°C (operation and storage)Relative humidity≤ 80 %, without condensationStandards, directives and approversionIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration ShockComplying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC. max. 40°CAmbient temperature Relative humiditymax. 80 %Intended for an inner pollution Installation category1	Voltage supply available in-	27 V DC regulated - max. current: 125 mA				
Environment       0 up to +60°C (operation and storage)         Relative humidity       ≤ 80 %, without condensation         Standards, directives and approval       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       EN 61000-6-3 (2001), EN 61000-6-2 (2001)         Security       EN 61010-1         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)       Complying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6         Shock       EN 60068-2-6         Specific technical data of UR art cognized products         Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C         Relative humidity       max. 80 %         Intended for an inner pollution       degree 2 environment         Installation category       1	side the device	integrated protection: fuse 125 mA temporised				
Ambient temperature       0 up to +60°C (operation and storage)         Relative humidity       ≤ 80 %, without condensation         Standards, directives and approverses       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       EN 61000-6-3 (2001), EN 61000-6-2 (2001)         Security       EN 61010-1         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)       Complying with article 3 of §3 from 2006/95/CE directive.*         Yibration       EN 60068-2-6         Shock       EN 60068-2-27         Specific technical data of UR       SCSA recognized products         Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C         Relative humidity       max. 80 %         Intended for an inner pollution       degree 2 environment         Installation category       1		power: 3 VA				
Relative humidity       ≤ 80 %, without condensation         Standards, directives and approvals         Protection class       IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.         Standard and directives       EN 61000-6-3 (2001), EN 61000-6-2 (2001)         EMC       EN 61010-1         Security       EN 61010-1         PVC, PP, PVDF, stainless steel or brass)       Complying with article 3 of §3 from 2006/95/CE directive.*         Vibration       EN 60068-2-6         Shock       EN 60068-2-27         Specific technical data of UR art CSA recognized products         Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C         Relative humidity       max. 80 %         Intended for an inner pollution       degree 2 environment         Installation category       1	Environment	Environment				
Standards, directives and approvalsProtection classIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001)EMCEN 61000-6-3 (2001), EN 61000-6-2 (2001)SecurityEN 61010-1Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) VibrationComplying with article 3 of §3 from 2006/95/CE directive.*Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelative humiditymax. 80 %Intended for an inner pollutiondegree 2 environmentInstallation category1						
Protection classIP65 with cable or screws plug mounted and tightened or with obturator locked if not used.Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001)EMCEN 61000-6-3 (2001), EN 61000-6-2 (2001)SecurityEN 61010-1Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) VibrationComplying with article 3 of §3 from 2006/95/CE directive.*Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelative humiditymax. 80 %Intended for an inner pollutiondegree 2 environmentInstallation category1	Ambient temperature	0 up to +60°C (operation and storage)				
Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001)EMCEN 61000-6-3 (2001), EN 61000-6-2 (2001)SecurityEN 61010-1Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)Complying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6ShockEN 60068-2-6Specific technical data of UR <b>CSA recognized products</b> Relay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelative humiditymax. 80 %Intended for an inner pollutiondegree 2 environmentInstallation category1	Relative humidity	≤ 80 %, without condensation				
Standard and directivesEN 61000-6-3 (2001), EN 61000-6-2 (2001)EMCEN 61000-6-3 (2001), EN 61000-6-2 (2001)SecurityEN 61010-1Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)Complying with article 3 of §3 from 2006/95/CE directive.*VibrationEN 60068-2-6ShockEN 60068-2-75Specific technical data of UR <b>CSA recognized products</b> Relay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelative humiditymax. 80 %Intended for an inner pollutiondegree 2 environmentInstallation category1	Relative humidity	≤ 80 %, without condensation				
EMCEN 61000-6-3 (2001), EN 61000-6-2 (2001)SecurityEN 61010-1Pressure (Fitting S030, DN06 to 65, inComplying with article 3 of §3 from 2006/95/CE directive.*PVC, PP, PVDF, stainless steel or brass)Complying with article 3 of §3 from 2006/95/CE directive.*VibrationEN 60068-2-6ShockEN 60068-2-27Specific technical data of UR <b>CSA recognized products</b> Relay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelative humiditymax. 80 %Intended for an inner pollutiondegree 2 environmentInstallation category1	Relative humidity Standards, directives and appro	≤ 80 %, without condensation <b>ovals</b> IP65 with cable or screws plug mounted and tightened				
Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration ShockEN 61010-1EN 60068-2-6 EN 60068-2-7EN 60068-2-6 EN 60068-2-27Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature Relative humiditymax. 40°C max. 80 %Intended for an inner pollution Installation categoryI	Relative humidity Standards, directives and appro Protection class	≤ 80 %, without condensation <b>ovals</b> IP65 with cable or screws plug mounted and tightened				
Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration ShockComplying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27Specific technical data of URCSA recognized productsRelay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperature Relative humiditymax. 40°CIntended for an inner pollution Installation categorydegree 2 environment	Relative humidity Standards, directives and appro Protection class Standard and directives	≤ 80 %, without condensation ovals IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.				
Vibration Shock     EN 60068-2-6 EN 60068-2-27       Specific technical data of UR JUR     CSA recognized products       Relay output     30 V AC and 42 V peak max. or 60 V DC.       Ambient temperature     max. 40°C       Relative humidity     max. 80 %       Intended for an inner pollution     degree 2 environment       Installation category     1	Relative humidity Standards, directives and appro Protection class Standard and directives EMC	<ul> <li>≤ 80 %, without condensation</li> <li>&gt;vals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> </ul>				
Shock     EN 60068-2-27       Specific technical data of UR arcognized products       Relay output     30 V AC and 42 V peak max. or 60 V DC.       Ambient temperature     max. 40°C       Relative humidity     max. 80 %       Intended for an inner pollution     degree 2 environment       Installation category     1	Relative humidity Standards, directives and appro Protection class Standard and directives EMC Security	<ul> <li>≤ 80 %, without condensation</li> <li>&gt;vals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> </ul>				
Specific technical data of UR and CSA recognized products         Relay output       30 V AC and 42 V peak max. or 60 V DC.         Ambient temperature       max. 40°C         Relative humidity       max. 80 %         Intended for an inner pollution       degree 2 environment         Installation category       I	Relative humidity         Standards, directives and appro         Protection class         Standard and directives         EMC         Security         Pressure (Fitting S030, DN06 to 65, in	<ul> <li>≤ 80 %, without condensation</li> <li>&gt;vals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> <li>EN 61010-1</li> </ul>				
Relay output30 V AC and 42 V peak max. or 60 V DC.Ambient temperaturemax. 40°CRelative humiditymax. 80 %Intended for an inner pollutiondegree 2 environmentInstallation categoryI	Relative humidity Standards, directives and appro Protection class Standard and directives EMC Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration	<ul> <li>≤ 80 %, without condensation</li> <li>&gt;vals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> <li>EN 61010-1</li> <li>Complying with article 3 of §3 from 2006/95/CE directive.*</li> <li>EN 60068-2-6</li> </ul>				
Ambient temperature       max. 40°C         Relative humidity       max. 80 %         Intended for an inner pollution       degree 2 environment         Installation category       I	Relative humidity Standards, directives and appro Protection class Standard and directives EMC Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration	<ul> <li>≤ 80 %, without condensation</li> <li>&gt;vals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> <li>EN 61010-1</li> <li>Complying with article 3 of §3 from 2006/95/CE directive.*</li> <li>EN 60068-2-6</li> </ul>				
Relative humidity     max. 80 %       Intended for an inner pollution     degree 2 environment       Installation category     I	Relative humidity Standards, directives and appro Protection class Standard and directives EMC Security Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass) Vibration Shock	<ul> <li>≤ 80 %, without condensation</li> <li>Sovals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> <li>EN 61010-1</li> <li>Complying with article 3 of §3 from 2006/95/CE directive.*</li> <li>EN 60068-2-6</li> <li>EN 60068-2-27</li> </ul>				
Intended for an inner pollution     degree 2 environment       Installation category     I	Relative humidity         Standards, directives and appro         Protection class         Standard and directives         EMC         Security         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)         Vibration         Shock	So %, without condensation Sovals IP65 with cable or screws plug mounted and tightened or with obturator locked if not used. EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1 Complying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27 EN 60068-2-27				
Installation category	Relative humidity         Standards, directives and appro         Protection class         Standard and directives         EMC         Security         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)         Vibration         Shock         Specific technical data of UR a         Relay output	<ul> <li>≤ 80 %, without condensation</li> <li>bvals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1</li> <li>Complying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27</li> <li>md CSA recognized products</li> <li>30 V AC and 42 V peak max. or 60 V DC.</li> </ul>				
	Relative humidity         Standards, directives and appro         Protection class         Standard and directives         EMC         Security         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)         Vibration         Shock         Specific technical data of UR a         Relay output         Ambient temperature	<ul> <li>≤ 80 %, without condensation</li> <li>Sovals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> <li>EN 61010-1</li> <li>Complying with article 3 of §3 from 2006/95/CE directive.*</li> <li>EN 60068-2-6</li> <li>EN 60068-2-77</li> <li>Ind CSA recognized products</li> <li>30 V AC and 42 V peak max. or 60 V DC.</li> <li>max. 40°C</li> </ul>				
Altitude max. 2000 m	Relative humidity         Standards, directives and appro         Protection class         Standard and directives         EMC         Security         Pressure (Fitting S030, DN06 to 65, in PVC, PP, PVDF, stainless steel or brass)         Vibration         Shock         Specific technical data of UR a         Relay output         Ambient temperature         Relative humidity	<ul> <li>≤ 80 %, without condensation</li> <li>Sovals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001) EN 61010-1</li> <li>Complying with article 3 of §3 from 2006/95/CE directive.* EN 60068-2-6 EN 60068-2-27</li> <li>Ind CSA recognized products</li> <li>30 V AC and 42 V peak max. or 60 V DC. max. 40°C</li> <li>max. 80 %</li> </ul>				
	Relative humidity         Standards, directives and appropriate         Protection class         Standard and directives         EMC         Security         Pressure (Fitting S030, DN06 to 65, in         PVC, PP, PVDF, stainless steel or brass)         Vibration         Shock         Specific technical data of UR a         Relay output         Ambient temperature         Relative humidity         Intended for an inner pollution	<ul> <li>≤ 80 %, without condensation</li> <li>Sovals</li> <li>IP65 with cable or screws plug mounted and tightened or with obturator locked if not used.</li> <li>EN 61000-6-3 (2001), EN 61000-6-2 (2001)</li> <li>EN 61010-1</li> <li>Complying with article 3 of §3 from 2006/95/CE directive.*</li> <li>EN 60068-2-6</li> <li>EN 60068-2-77</li> <li>Ind CSA recognized products</li> <li>30 V AC and 42 V peak max. or 60 V DC.</li> <li>max. 40°C</li> <li>max. 80 %</li> <li>degree 2 environment</li> </ul>				

# burkert

### Accuracy diagram



\* For the 2006/95/CE pressure directive, the device can only be used under following conditions (depend on max. pressure, pipe diameter and fluid).

Type of fluid	Conditions
Fluid group 1, §1.3.a	DN≤25 only
Fluid group 2, §1.3.a	DN≤32, or DN>32 and PN*DN ≤1000
Fluid group 1, §1.3.b	PN*DN ≤2000
Fluid group 2, §1.3.b	DN≤200

### **Operation and display**

The device can be calibrated by means of the K-factor, or via the Teach-In function. Customized adjustments, such as measuring range, engineering units, pulse output and filter are carried out on site. The operation is specified according to two or three levels, depending on the transmitter version:

	Indication in operating mode / display	Parameter definition	Test	Confirm input and menu points
Flow transmitter	<ul> <li>flow</li> <li>output current</li> <li>main totalizer</li> <li>daily totalizer with reset function</li> </ul>	<ul> <li>language</li> <li>engineering units</li> <li>K-factor / Teach-In function</li> <li>measuring range 4-20 mA</li> <li>pulse output</li> <li>relay (option)</li> <li>filter</li> <li>reset main totalizer</li> </ul>	<ul> <li>alteration of basic adjustment (offset, span)</li> <li>frequency test of sensor</li> <li>flow simulation (dry-run test operation)</li> </ul>	To scroll-up the menu or increase
Battery indicator / totalizer	<ul> <li>flow</li> <li>main totalizer</li> <li>daily totalizer with reset function</li> </ul>	- language - engineering units - K-factor / Teach-In function - filter - reset main totalizer		a value To scroll-down the menu or select a digit to be modified * Not for Batteries version

# DTS 1000011089 EN Version: I Status: RL (released I freigegeben I validé) printed: 02.06.2009

p. 2/6



### Design and principle of operation



The electronic housing of the 8035 integrates the electronic board with display, programmation keys and also a transducer (coil for Battery indicator version or Hall for other versions). The paddle-wheel is mounted in the fitting. The output signals are provided via a cable plug or two cable glands (according to the transmitter version). Bürkert designed fitting (S030) ensures simple installation of the Bürkert transmitter into pipes from DN 06 to DN 65.

When liquid flows through the pipe, the 4 magnets, inserted in the paddle-wheel set in rotation, produce a measuring signal in the transducer. The frequency modulated induced voltage is proportional to the flow velocity of the fluid. A conversion coefficient (K factor, available in the S030 instruction manual of the fitting), specific to each pipe (size and material) enables the conversion of this frequency into flowrate. The electronic component converts the measured signal into several outputs (according to the transmitter version) and displays the

actual value.

### Installation

The electronic SE35 can easily be installed into any Bürkert INLINE fitting system Type S030, by means of a Quarter-Turn.

Minimum straight upstream and downstream distances must be observed. According to the pipe's design, necessary distances can be bigger or use a flow conditioner to obtain the best accuracy. For more information, please refer to EN ISO 5167-1.

EN ISO 5167-1 prescribes the straight inlet and outlet distances that must be complied with when installing fittings in pipe lines in order to achieve calm flow conditions. The most important layouts that could lead to turbulence in the flow are shown below, together with the associated prescribed minimum inlet and outlet distances. These ensure calm, problem-free measurement conditions at the measurement point.



The flow rate transmitter can be installed into either horizontal or vertical pipes.



Pressure and temperature ratings must be respected according to the selected fitting material. The suitable pipe size is selected using the diagram Flow / Velocity / DN.

The flow transmitter is not designed for gas flow measurement.



### Pressure / Temperature diagram



### Selection of fitting / pipe size

### Example:

- Specification of nominal flow: 10 m<sup>3</sup>/h
- Ideal flow velocity: 2...3 m/s
- For these specifications, the diagram indicates a pipe size of DN40 [or DN50 for (\*) mentioned fittings]



\* for following fittings:

- with external threads acc. to SMS 1145
- with weld-ends acc. to SMS 3008, BS 4825 / ASME BPE or DIN 11850 Series 2

- Clamp acc. to SMS 3017 / ISO 2852, BS 4825 / ASME BPE or DIN 32676

burkert

### Dimensions [mm]



### 8035 Transmitter

# burkert

### Ordering chart for compact transmitter Type 8035

### Flow transmitter or indicator / totalizer with integrated paddle-wheel sensor

A flow transmitter or indicator / totalizer Type 8035 consists of:

- an INLINE flow transmitter or indicator / totalizer SE35

- an INLINE fitting Type S030 (DN06 - DN 65) (Refer to corresponding datasheet - has to be ordered separately)

Specifica- tions	Voltage supply	Output	Relays	Sensor version	Agreements	Electrical connection	ltem no.
Standard output signal transmitter,		4-20 mA (2 wires) + pulse	None	Hall	-	EN 175301-803	444 005
						2 cable glands	444 006
2 totalizers					UR	2 cable glands	553 432
- 11		4-20 mA (3 wires) + pulse	2	Hall	-	2 cable glands	444 007
					UR	2 cable glands	553 433
	115-230 V AC	4-20 mA (2 wires)+ pulse	None	Hall	-	2 cable glands	423 922
		4-20 mA (3 wires)+ pulse	2	Hall	-	2 cable glands	423 924
Indicator, 2 totalizers	2 x 9 V DC batteries		None	Coil	-	None	423 921

### Ordering chart - accessories for transmitter Type 8035 (has to be ordered separately)

Specifica- tions	ltem no.
Set with 2 cable glands M20 x 1.5 + 2 neoprene flat seals for cable gland or plug + 2 screw-plugs M20 x 1.5 + 2 multiway seals 2 x 6 mm	449 755
Set with 2 reductions M20 x 1.5 /NPT1/2" + 2 neoprene flat seals for cable gland or plug + 2 screw-plugs M20 x 1.5	551 782
Set with 1 stopper for unused cable gland M20 x 1.5 +1 multiway seal 2 x 6 mm for cable gland + 1 black EPDM gasket for the sensor + 1 mounting instruction sheet	551 775
Cable plug EN 175301-803 with NPT1/2 " reduction without cable gland (Type 2509)	162 673

### Interconnection possibilities with other Bürkert products



please consult for advice. © Christian Bürkert GmbH & Co. KG