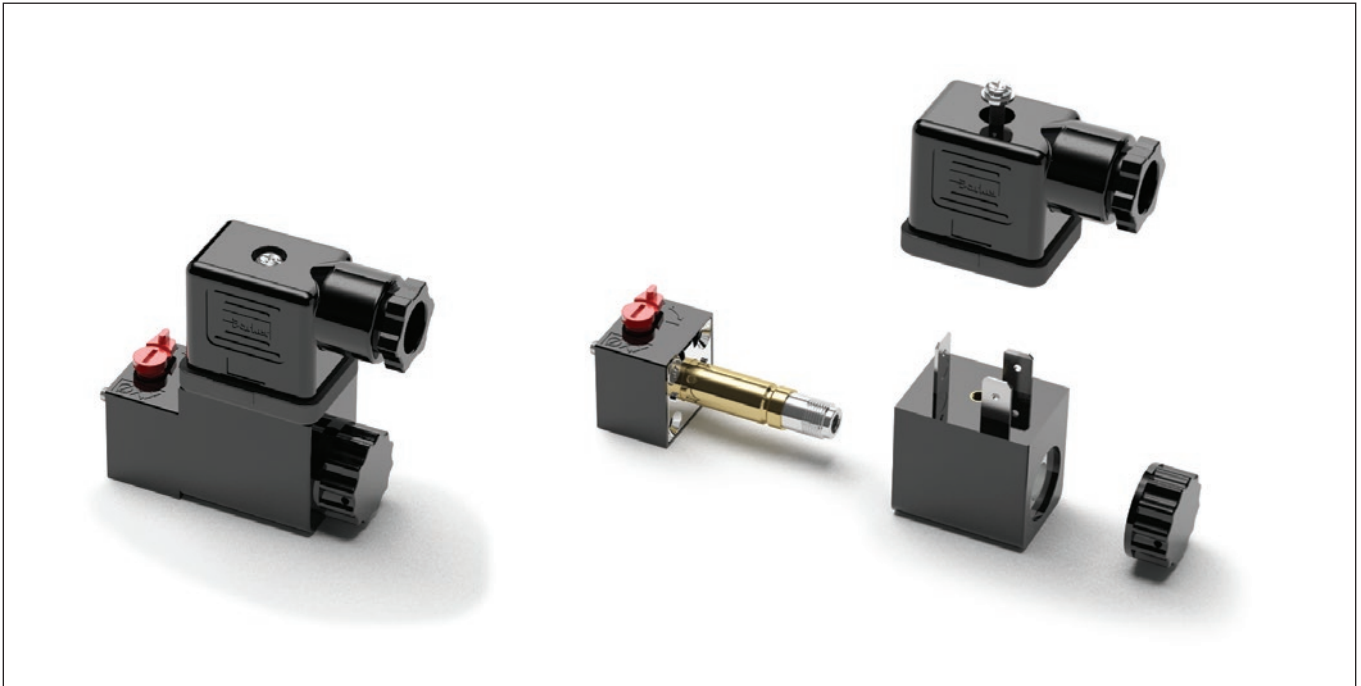


## Directional control valves



### 22mm Solenoid pilot options

The solenoid pilot operators are designed for piloting pneumatic control valves with compressed air or other inert gases.

The operator is available for normal operating pressures up to 10 bar having an outlet orifice 1.2 mm and exhaust orifice 1.45 mm.

#### Corrosion resistant design

The pilot operator body is manufactured in thermoplastic PA 6 material and the core tube brass is stainless steel. The plunger/core is also made from stainless steel and the valve seats from FKM.

#### Coils

Coils are wound with enameled copper wire, having temperature index 180°C with class F insulation (155°C) and are encapsulated in Thermoplastic resin. When fitted with suitable connector and correct gasket they give protection to IP65.

#### Solenoid Pilot Exhaust

These operators all exhaust out of the top of the core tube which is tapped M5. The standard solenoid nut fitted to the core tube is the Diffuser nut which allows the exhaust to escape to atmosphere. This nut also minimises ingress of dirt into the valve through this port. The alternative plastic knurled nut can be specified (refer to part number system) if the exhaust air needs to be captured and piped away using the M5 tapped port.

#### Manual Override options

The standard manual override is the bi-stable twist lock, extended plastic override. Non locking flush manual override available as option.

**Directional control valves**

**22mm solenoid operator part numbers and spares**

**Solenoid coils for 22mm solenoid operators**

Voltage	Weight (Kg)	Order code Form B
12V 60Hz	0.093	<b>P2FCB340</b>
24V 50/60Hz	0.093	<b>P2FCB342</b>
12V DC	0.093	<b>P2FCB345</b>
24V DC	0.093	<b>P2FCB349</b>
48V DC	0.093	<b>P2FCB351</b>
110V/50Hz, 120V/60Hz	0.093	<b>P2FCB353</b>
230V/50Hz, 230V/60Hz	0.093	<b>P2FCB357</b>

**Spare Solenoid Nuts**


Valves requiring captured exhaust should be fitted with plastic knurled nut

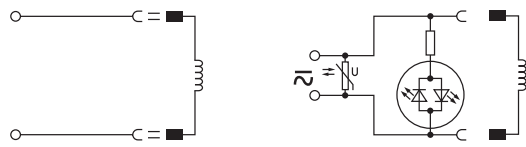
Order code
<b>P2FNP</b>

Valves with vented exhaust are fitted with diffuser plastic nut

Order Code
<b>P2FND</b>

**Solenoid Connectors / Cable Plugs EN175301-803**

	Description	Order code 22mm Industrial Form B
With standard screw	Standard IP65 without flying lead	<b>3EV10V10</b>
	With LED and protection 24V AC/DC	<b>3EV10V20-24</b>
	With LED and protection 110V AC	<b>3EV10V20-110</b>
	With LED and protection 230V AC	<b>3EV10V20-230</b>
With cable	24V AC/DC, 5m cable LED and protection IP65	<b>3EV10V20-24L5</b>
	110V AC/DC, 5m cable LED and protection IP65	<b>3EV10V20-110L5</b>
	230V AC, 5m cable LED and protection IP65	<b>3EV10V20-230L5</b>



<b>3EV10V10</b>	<b>3EV10V20-24</b>	<b>3EV10V20-24L5</b>
	<b>3EV10V20-110</b>	<b>3EV10V20-110L5</b>
	<b>3EV10V20-230</b>	<b>3EV10V20-230L5</b>

**Cable Plug Dimensions (mm)**

