



# techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics  
& Vacuum

Industrial

Compressed Air  
& Ring Main

Process &  
Instrumentation

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## Valves & Actuation

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General Purpose Solenoid Valves

# Automatic Drain Valves



**RoHS 3**  
COMPLIANT ✓



## Easy Timer

**Valve Body:** Brass  
**Orifice Size:** 4.5 mm  
IP65 Protection

**Easy Timer**  
Timer On 0.5 to 10s  
Timer Off 0.5 to 45 min  
Test switch



### Brass Valve

0016	Thread	Voltage
720-01AC220	1/8"	220V AC
720-02AC220	1/4"	220V AC
720-03AC220	3/8"	220V AC
720-04AC220	1/2"	220V AC
720-01AC110	1/8"	110V AC
720-02AC110	1/4"	110V AC
720-03AC110	3/8"	110V AC
720-04AC110	1/2"	110V AC
720-02DC24	1/4"	24V DC
720-03DC24	3/8"	24V DC
720-04DC24	1/2"	24V DC
720-02AC24	1/4"	24V AC
720-03AC24	3/8"	24V AC
720-04AC24	1/2"	24V AC

Tech Sheet 70001



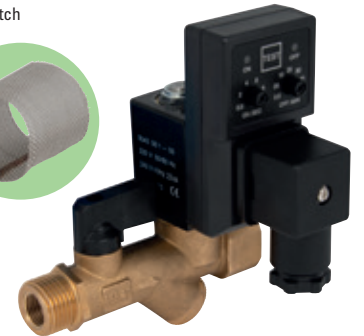
### Brass Valve with Vertical Strainer

0016	Thread	Voltage
720-01AC220-VIS	1/8"	220V AC
720-02AC220-VIS	1/4"	220V AC
720-03AC220-VIS	3/8"	220V AC
720-04AC220-VIS	1/2"	220V AC
720-01AC110-VIS	1/8"	110V AC
720-02AC110-VIS	1/4"	110V AC
720-03AC110-VIS	3/8"	110V AC
720-04AC110-VIS	1/2"	110V AC
720-02DC24-VIS	1/4"	24V DC
720-03DC24-VIS	3/8"	24V DC
720-04DC24-VIS	1/2"	24V DC
720-02AC24-VIS	1/4"	24V AC
720-03AC24-VIS	3/8"	24V AC
720-04AC24-VIS	1/2"	24V AC

Tech Sheet 71676

**Valve Body:** Brass  
**Orifice Size:** 3.5 mm  
**Mesh Size:** 29 micron  
Manual isolation shut-off  
IP65 Protection

**Easy Timer**  
Timer On 0.5 to 10s  
Timer Off 0.5 to 45 min  
Test switch



### Brass Valve with Strainer

0016	Thread	Voltage
728A-04AC220	1/2"	220V AC
728A-04AC110	1/2"	110V AC
728A-04AC24	1/2"	24V AC

Tech Sheet 70002

## Digital Timer

Valve Body: Brass  
Orifice Size: 4.5 mm  
IP65 Protection  
**Digital Timer**  
Timer On 0.1 to 99s  
Timer Off 0.5 to 99 min  
Test switch



### Brass Valve

0016	Thread	Voltage
790-01AC220	1/8"	220V AC
790-02AC220	1/4"	220V AC
790-03AC220	3/8"	220V AC
790-04AC220	1/2"	220V AC
790-01AC110	1/8"	110V AC
790-02AC110	1/4"	110V AC
790-03AC110	3/8"	110V AC
790-04AC110	1/2"	110V AC
790-01DC24	1/8"	24V DC
790-02DC24	1/4"	24V DC
790-03DC24	3/8"	24V DC
790-04DC24	1/2"	24V DC
790-02AC24	1/4"	24V AC
790-03AC24	3/8"	24V AC
790-04AC24	1/2"	24V AC

Tech Sheet 70003

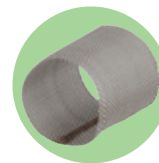
### Brass Valve with Vertical Strainer

0016	Thread	Voltage
790-01AC220-VIS	1/8"	220V AC
790-02AC220-VIS	1/4"	220V AC
790-03AC220-VIS	3/8"	220V AC
790-04AC220-VIS	1/2"	220V AC
790-01AC110-VIS	1/8"	110V AC
790-02AC110-VIS	1/4"	110V AC
790-03AC110-VIS	3/8"	110V AC
790-04AC110-VIS	1/2"	110V AC
790-01DC24-VIS	1/8"	24V DC
790-02DC24-VIS	1/4"	24V DC
790-03DC24-VIS	3/8"	24V DC
790-04DC24-VIS	1/2"	24V DC
790-02AC24-VIS	1/4"	24V AC
790-03AC24-VIS	3/8"	24V AC
790-04AC24-VIS	1/2"	24V AC

Tech Sheet 71677

Valve Body: Brass  
Orifice Size: 3.5 mm  
Mesh Size: 29 micron  
Manual isolation shut-off  
IP65 Protection

**Digital Timer**  
Timer On 0.1 to 99s  
Timer Off 0.5 to 99 min  
Test switch



### Brass Valve with Strainer

0016	Thread	Voltage
728A790-04AC220	1/2"	220V AC
728A790-04DC24	1/2"	24V DC

Tech Sheet 70004

## Spare Parts

Valve Body: Brass  
Orifice Size: 4.5 mm  
Working Temperature:  
-10°C to +70°C

Maximum Working Pressure: 16 bar

### Brass Valve

0016	Thread
CS-720W-01	1/8"
CS-720W-02	1/4"
CS-720W-03	3/8"
CS-720W-04	1/2"



Valve Body: Brass  
Orifice Size: 3.5 mm  
Working Temperature:  
-10°C to +70°C

Mesh Size: 29 micron  
Manual isolation shut-off  
Maximum Working Pressure: 16 bar

High pressure 80 bar option available on request.



### Brass Strainer

0016	Thread
CS-S95-01	1/8"
CS-S95-03	3/8"
CS-S95-04	1/2"
CS-S95-02	1/4"

**Easy Timer**  
Timer On 0.5 to 10s  
Timer Off 0.5 to 45 min  
Test switch



Easy

**Digital Timer**  
Timer On 0.1 to 99s  
Timer Off 0.5 to 99 min  
Test switch



Digital

### Timer

0016	Voltage	Operation
XY-720	24-220V AC/DC	Easy
XY-790H	110-220V AC/DC	Digital
XY-790L	24V AC/DC	Digital

Speak to Technical for most recent UL certification guidance for high voltage applications (110V and 220V AC).



### Coil

0016	Voltage
SB256-0543AC110	110V AC
SB256-0543AC220	220V AC
SB256-0543AC24	24V AC
SB257-0545DC24	24V DC

### Connector

0016
SB201-1



## Solenoid Valves

The general purpose brass 2/2 solenoid valves again shows FT Pro's commitment to providing innovative and added value solutions to their customers.



Valve Timer



Pilot Operated 2/2  
Solenoid Valve

### Pilot Operated 2/2:

- Normally open
- Normally closed
- DIN connectors
- Valve timers
- DC and AC coils
- Available in sizes 3/8" to 2" BSPP
- Media: oil, air and water



Direct Acting 2/2  
Solenoid Valve

### Direct Acting 2/2:

- Normally closed
- DIN connectors
- DC and AC coils
- Available in sizes 1/8" to 3/8" BSPP
- Available in 0-10 bar and 0 to 35 bar
- High pressure option
- Media: oil, air and water

## General Purpose 2/2 N/C, Pilot Operated

Working Pressure:  
0.5 to 10 bar



Flow Rate 55 L/min  
Orifice 13mm  
**3/8" BSPP**

0366	Voltage
K225-03-230AC-NC	230/50V AC
K225-03-110AC-NC	110/50V AC
K225-03-24AC-NC	24/50V AC
K225-03-24DC-NC	24V DC
K225-03-12DC-NC	12V DC

Tech Sheet 10162

Flow Rate 63 L/min  
Orifice 13mm  
**1/2" BSPP**

0366	Voltage
K225-04-230AC-NC	230/50V AC
K225-04-110AC-NC	110/50V AC
K225-04-24AC-NC	24/50V AC
K225-04-24DC-NC	24V DC
K225-04-12DC-NC	12V DC

Tech Sheet 10162

Flow Rate 100 L/min  
Orifice 25mm  
**3/4" BSPP**

0366	Voltage
K225-06-230AC-NC	230/50V AC
K225-06-110AC-NC	110/50V AC
K225-06-24AC-NC	24/50V AC
K225-06-24DC-NC	24V DC
K225-06-12DC-NC	12V DC

Tech Sheet 10162

Flow Rate 160 L/min  
Orifice 25mm  
**1" BSPP**

0366	Voltage
K225-08-230AC-NC	230/50V AC
K225-08-110AC-NC	110/50V AC
K225-08-24AC-NC	24/50V AC
K225-08-24DC-NC	24V DC
K225-08-12DC-NC	12V DC

Tech Sheet 10162

Flow Rate 370 L/min  
Orifice 38mm  
**1.1/4" BSPP**

0366	Voltage
K225-12-230AC-NC	230/50V AC
K225-12-110AC-NC	110/50V AC
K225-12-24AC-NC	24/50V AC
K225-12-24DC-NC	24V DC
K225-12-12DC-NC	12V DC

Tech Sheet 10162

Flow Rate 400 L/min  
Orifice 38mm  
**1.1/2" BSPP**

0366	Voltage
K225-14-230AC-NC	230/50V AC
K225-14-110AC-NC	110/50V AC
K225-14-24AC-NC	24/50V AC
K225-14-24DC-NC	24V DC
K225-14-12DC-NC	12V DC

Tech Sheet 10162

Flow Rate 540 L/min  
Orifice 50mm  
**2" BSPP**

0366	Voltage
K225-20-230AC-NC	230/50V AC
K225-20-110AC-NC	110/50V AC
K225-20-24AC-NC	24/50V AC
K225-20-24DC-NC	24V DC
K225-20-12DC-NC	12V DC

Tech Sheet 10162

## Coils to suit K225, Normally Closed Valves



### Coil & Plug

0366	Voltage
K225-230/50AC-NC	230/50V AC
K225-110/50AC-NC	110/50V AC
K225-24/50AC-NC	24/50V AC
K225-24DC-NC	24V DC
K225-12DC-NC	12V DC

Tech Sheet 10162



For Pre wired  
moulded DIN Plugs  
see page 1042

## SOLENOID VALVES



## General Purpose 2/2 N/O, Pilot Operated

**Working Pressure:**  
0.5 to 10 bar



**Flow Rate** 55 L/min  
**Orifice** 13mm  
**3/8" BSPP**

0366	Voltage
K225-03-230AC-NO	230/50V AC
K225-03-110AC-NO	110/50V AC
K225-03-24AC-NO	24/50V AC
K225-03-24DC-NO	24V DC
K225-03-12DC-NO	12V DC

Tech Sheet 10162

**Flow Rate** 63 L/min  
**Orifice** 13mm  
**1/2" BSPP**

0366	Voltage
K225-04-230AC-NO	230/50V AC
K225-04-110AC-NO	110/50V AC
K225-04-24AC-NO	24/50V AC
K225-04-24DC-NO	24V DC
K225-04-12DC-NO	12V DC

Tech Sheet 10162

**Flow Rate** 100 L/min  
**Orifice** 25mm  
**3/4" BSPP**

0366	Voltage
K225-06-230AC-NO	230/50V AC
K225-06-110AC-NO	110/50V AC
K225-06-24AC-NO	24/50V AC
K225-06-24DC-NO	24V DC
K225-06-12DC-NO	12V DC

Tech Sheet 10162

**Flow Rate** 160 L/min  
**Orifice** 25mm  
**1" BSPP**

0366	Voltage
K225-08-230AC-NO	230/50V AC
K225-08-110AC-NO	110/50V AC
K225-08-24AC-NO	24/50V AC
K225-08-24DC-NO	24V DC
K225-08-12DC-NO	12V DC

Tech Sheet 10162

**Flow Rate** 370 L/min  
**Orifice** 38mm  
**1.1/4" BSPP**

0366	Voltage
K225-12-230AC-NO	230/50V AC
K225-12-110AC-NO	110/50V AC
K225-12-24AC-NO	24/50V AC
K225-12-24DC-NO	24V DC
K225-12-12DC-NO	12V DC

Tech Sheet 10162

**Flow Rate** 400 L/min  
**Orifice** 38mm  
**1.1/2" BSPP**

0366	Voltage
K225-14-230AC-NO	230/50V AC
K225-14-110AC-NO	110/50V AC
K225-14-24AC-NO	24/50V AC
K225-14-24DC-NO	24V DC
K225-14-12DC-NO	12V DC

Tech Sheet 10162

**Flow Rate** 540 L/min  
**Orifice** 50mm  
**2" BSPP**

0366	Voltage
K225-20-230AC-NO	230/50V AC
K225-20-110AC-NO	110/50V AC
K225-20-24AC-NO	24/50V AC
K225-20-24DC-NO	24V DC
K225-20-12DC-NO	12V DC

Tech Sheet 10162

## Coils to suit K225, Normally Open Valves



## Coil &amp; Plug

0366	Voltage
K225-230/50AC-NO	230/50V AC
K225-110/50AC-NO	110/50V AC
K225-24/50AC-NO	24/50V AC
K225-24DC-NO	24V DC
K225-12DC-NO	12V DC

Tech Sheet 10162

## Valve Timer



**0366**  
**KVT**

Tech Sheet 10162

## General Purpose 2/2 N/C, Direct Acting

Working Pressure:  
7 bar  
Maximum Working Pressure:  
10 bar



Flow Rate 3.4 L/min  
Orifice 2.5mm  
1/8" BSPP

0366	Voltage
K2W025-06-230AC	230/50V AC
K2W025-06-110AC	110/50V AC
K2W025-06-24AC	24/50V AC
K2W025-06-24DC	24V DC
K2W025-06-12DC	12V DC

Tech Sheet 10163

Flow Rate 3.4 L/min  
Orifice 2.5mm  
1/4" BSPP

0366	Voltage
K2W025-08-230AC	230/50V AC
K2W025-08-110AC	110/50V AC
K2W025-08-24AC	24/50V AC
K2W025-08-24DC	24V DC
K2W025-08-12DC	12V DC

Tech Sheet 10163

Flow Rate 6 L/min  
Orifice 4mm  
3/8" BSPP

0366	Voltage
K2W040-10-230AC	230/50V AC
K2W040-10-110AC	110/50V AC
K2W040-10-24AC	24/50V AC
K2W040-10-24DC	24V DC
K2W040-10-12DC	12V DC

Tech Sheet 10163

## High Pressure 2/2 N/C, Direct Acting

Working Pressure:  
20 bar  
Maximum Working Pressure:  
35 bar



Flow Rate 0.7 L/min  
Orifice 1.2mm  
1/8" BSPP

0366	Voltage
K2WH012-06-230AC	230/50V AC
K2WH012-06-110AC	110/50V AC
K2WH012-06-24AC	24/50V AC
K2WH012-06-24DC	24V DC
K2WH012-06-12DC	12V DC

Tech Sheet 10163

Flow Rate 0.7 L/min  
Orifice 1.2mm  
1/4" BSPP

0366	Voltage
K2WH012-08-230AC	230/50V AC
K2WH012-08-110AC	110/50V AC
K2WH012-08-24AC	24/50V AC
K2WH012-08-24DC	24V DC
K2WH012-08-12DC	12V DC

Tech Sheet 10163

Flow Rate 1.7 L/min  
Orifice 2mm  
3/8" BSPP

0366	Voltage
K2WH020-10-230AC	230/50V AC
K2WH020-10-110AC	110/50V AC
K2WH020-10-24AC	24/50V AC
K2WH020-10-24DC	24V DC
K2WH020-10-12DC	12V DC

Tech Sheet 10163

## Coils to suit K2W Direct Acting Valves



Coil & Plug, Normally Closed  
to suit 1/8", 1/4" BSPP

0366	Voltage
K2W-08-230/50AC	230/50V AC
K2W-08-110/50AC	110/50V AC
K2W-08-24/50AC	24/50V AC
K2W-08-24DC	24V DC
K2W-08-12DC	12V DC

Tech Sheet 10163

Coil & Plug, Normally Closed  
to suit 3/8" BSPP

0366	Voltage
K2W-040-230/50AC	230/50V AC
K2W-040-110/50AC	110/50V AC
K2W-040-24/50AC	24/50V AC
K2W-040-24DC	24V DC
K2W-040-12DC	12V DC

Tech Sheet 10163

## SOLENOID VALVES, 25 SERIES



## ZS Series 2/2 Solenoid Valve

- Suitable for use on air, gas, hot water and oil applications
- Normally closed
- Comes complete with solenoid coil and plug
- Direct acting - no minimum pressure
- Rated IP 65



## Brass Body NBR Seals, BSPP

0366	Thread	Orifice mm	CV Value	Min pressure	Air, AC	Gas DC	Max Working Pressure				Max Temp C	Power		Voltage
							Water, AC	Hot Water, DC	Liquid, DC	Light Oil, AC		Light Oil, DC	VA AC 220	
ZS15E2-10L	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	220V AC
ZS15E1-10L	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	110V AC
ZS15E4-10L	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	24V DC
ZS15E7-10L	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	24V AC
ZS20E2	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	220V AC
ZS20E1	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	110V AC
ZS20E4	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	24V DC
ZS20E7	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	24V AC
ZS25E2	G1"	25	12	0	10	6	10	6	7	4	80	33	20	220V AC
ZS25E1-25L	G1"	25	12	0	10	6	10	6	7	4	80	33	20	110V AC
ZS25E4	G1"	25	12	0	10	6	10	6	7	4	80	33	20	24V DC
ZS25E7	G1"	25	12	0	10	6	10	6	7	4	80	33	20	24V AC

## ZS Series 2/2 Solenoid Valve

- Suitable for use on air, gas, hot water and oil applications
- Normally closed
- Comes complete with solenoid coil and plug
- Direct acting - no minimum pressure
- Rated IP 65



## Stainless Steel Body Viton Seals, BSPP

0366	Thread	Orifice mm	CV Value	Min pressure	Air, AC	Gas DC	Max Working Pressure				Max Temp C	Power		Voltage
							Water, AC	Hot Water, DC	Liquid, DC	Light Oil, AC		Light Oil, DC	VA AC 220	
ZS15VE2-10LS2	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	220V AC
ZS15VE1-10LS2	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	110V AC
ZS15VE4-10LS2	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	24V DC
ZS15VE7-10LS2	G1/2"	10	1.9	0	20	16	20	16	20	16	80	22	13	24V AC
ZS20VE2S2	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	220V AC
ZS20VE1S2	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	110V AC
ZS20VE4S2	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	24V DC
ZS20VE7S2	G3/4"	20	7.6	0	10	6	10	6	7	4	80	33	20	24V AC
ZS25VE2S2	G1"	25	12	0	10	6	10	6	7	4	80	33	20	220V AC
ZS25VE1S2	G1"	25	12	0	10	6	10	6	7	4	80	33	20	110V AC
ZS25VE4S2	G1"	25	12	0	10	6	10	6	7	4	80	33	20	24V DC
ZS25VE7S2	G1"	25	12	0	10	6	10	6	7	4	80	33	20	24V AC



# SOLENOID VALVES

stainless steel



## Stainless Steel 2/2 N/C, Direct Operated/ Pilot Operated Solenoid Valves

Materials in contact with fluids

**Body:** Stainless steel AISI 316

**Sealing:** FPM

**Internal Components:** Stainless steel

**Seat:** Stainless steel AISI 316

**Core Tube:** Stainless steel

**Shading Coil:** Copper

Supplied with DIN plugs



1/8"-1/4"

3/8"-1"

### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M3/HR	Max Pressure Bar	Replacement Coil
G256C145S-23050	1/8"	230/50	4.5 VA	1.6	0.08	0-30	533534-003
G256C145S-11050	1/8"	110/50	4.5 VA	1.6	0.08	0-30	533534-024
G256C145S-2450	1/8"	24/50	4.5 VA	1.6	0.08	0-30	533534-011
G256C145S-24VDC	1/8"	24V DC	3.5 W	1.6	0.08	0-12	533534-001
G256C129S-23050	1/4"	230/50	14 VA	2.4	0.18	0-20	533593-003
G256C129S-11050	1/4"	110/50	14 VA	2.4	0.18	0-20	533593-020
G256C129S-2450	1/4"	24/50	14 VA	2.4	0.18	0-20	533593-011
G256C113S-24VDC	1/4"	24V DC	9 W	2.4	0.18	0-20	533593-002
L182V09-38-23050	3/8"	230/50	12VA	13.5	2.5	0.35 - 16	B12AA
L182V09-38-11050	3/8"	110/50	12VA	13.5	2.5	0.35 - 16	B12AC
L182V09-38-2450	3/8"	24/50	12VA	13.5	2.5	0.35 - 16	B12AE
L182V09-38-24	3/8"	24V DC	5.5W	13.5	2.5	0.35 - 16	B12AL
L182V09-12-23050	1/2"	230/50	12VA	13.5	3.8	0.35 - 16	B12AA
L182V09-12-11050	1/2"	110/50	12VA	13.5	3.8	0.35 - 16	B12AC
L182V09-12-2450	1/2"	24/50	12VA	13.5	3.8	0.35 - 16	B12AE
L182V09-12-24	1/2"	24V DC	5.5W	13.5	3.8	0.35 - 16	B12AL
L182V09-34-23050	3/4"	230/50	12VA	18	5	0.3 - 12	B12AA
L182V09-34-11050	3/4"	110/50	12VA	18	5	0.3 - 12	B12AC
L182V09-34-2450	3/4"	24/50	12VA	18	5	0.3 - 12	B12AE
L182V09-34-24	3/4"	24V DC	5.5W	18	5	0.3 - 12	B12AL
L182V09-1-23050	1"	230/50	12VA	24	12	0.3 - 12	B12AA
L182V09-1-11050	1"	110/50	12VA	24	12	0.3 - 12	B12AC
L182V09-1-2450	1"	24/50	12VA	24	12	0.3 - 12	B12AE
L182V09-1-24	1"	24V DC	5.5W	24	12	0.3 - 12	B12AL

Tech Sheets 2121, 2122 & 2123

## Stainless Steel 2/2 N/O, Pilot Operated Solenoid Valves

Materials in contact with fluids

**Body:** Stainless steel AISI 316

**Sealing:** FPM

**Internal Components:** Stainless steel

**Seat:** Stainless steel AISI 316

**Core Tube:** Stainless steel

**Shading Coil:** Copper

Supplied with DIN plugs



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M3/HR	Max Pressure Bar	Replacement Coil
L282V09-38-23050	3/8"	230/50	12VA	13.5	2.5	0.3 - 12	B12AA
L282V09-38-11050	3/8"	110/50	12VA	13.5	2.5	0.3 - 12	B12AC
L282V09-38-2450	3/8"	24/50	12VA	13.5	2.5	0.3 - 12	B12AE
L282V09-38-24	3/8"	24V DC	5.5W	13.5	2.5	0.3 - 12	B12AL
L282V09-12-23050	1/2"	230/50	12VA	13.5	3.8	0.3 - 12	B12AA
L282V09-12-11050	1/2"	110/50	12VA	13.5	3.8	0.3 - 12	B12AC
L282V09-12-2450	1/2"	24/50	12VA	13.5	3.8	0.3 - 12	B12AE
L282V09-12-24	1/2"	24V DC	5.5W	13.5	3.8	0.3 - 12	B12AL
L282V09-34-23050	3/4"	230/50	12VA	18	5	0.3 - 10	B12AA
L282V09-34-11050	3/4"	110/50	12VA	18	5	0.3 - 10	B12AC
L282V09-34-2450	3/4"	24/50	12VA	18	5	0.3 - 10	B12AE
L282V09-34-24	3/4"	24V DC	5.5W	18	5	0.3 - 10	B12AL
L282V09-1-23050	1"	230/50	12VA	24	12	0.3 - 10	B12AA
L282V09-1-11050	1"	110/50	12VA	24	12	0.3 - 10	B12AC
L282V09-1-2450	1"	24/50	12VA	24	12	0.3 - 10	B12AE
L282V09-1-24	1"	24V DC	5.5W	24	12	0.3 - 10	B12AL

Tech Sheet 2154

### Coil reference for G256 series



### BSPP

0030	Voltage
533534-003	230/50
533534-024	110/50
533534-011	24/50
533534-001	24V DC
533593-003	230/50
533593-020	110/50
533593-011	24/50
533534-002	24V DC

Tech Sheet 2154

# SOLENOID VALVES



## General Purpose 2/2 N/C, Pilot Operated Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L182D01-38-230	3/8"	230/50	6 VA	13.5	2.5	0.35 - 16	B10AA
L182D01-38-110	3/8"	110/50	6 VA	13.5	2.5	0.35 - 16	B10AC
L182D01-38-2450	3/8"	24/50	6 VA	13.5	2.5	0.35 - 16	B10AE
L182D01-38-24	3/8"	24V DC	5.5 W	13.5	2.5	0.35 - 16	B10AL
L182D01-12-230	1/2"	230/50	6 VA	13.5	3.8	0.35 - 16	B10AA
L182D01-12-110	1/2"	110/50	6 VA	13.5	3.8	0.35 - 16	B10AC
L182D01-12-2450	1/2"	24/50	6 VA	13.5	3.8	0.35 - 16	B10AE
L182D01-12-24	1/2"	24V DC	5.5 W	13.5	3.8	0.35 - 16	B10AL
L182D01-34-230	3/4"	230/50	6 VA	18	5	0.35 - 12	B10AA
L182D01-34-110	3/4"	110/50	6 VA	18	5	0.35 - 12	B10AC
L182D01-34-2450	3/4"	24/50	6 VA	18	5	0.35 - 12	B10AE
L182D01-34-24	3/4"	24V DC	5.5 W	18	5	0.35 - 12	B10AL
L182D01-1-230	1"	230/50	6 VA	24	12	0.35 - 12	B10AA
L182D01-1-110	1"	110/50	6 VA	24	12	0.35 - 12	B10AC
L182D01-1-2450	1"	24/50	6 VA	24	12	0.35 - 12	B10AE
L182D01-1-24	1"	24V DC	5.5 W	24	12	0.35 - 12	B10AL
L182D48-114-230	1.1/4"	230/50	14 VA	30	15	0.5-10	A10AA
L182D48-114-110	1.1/4"	110/50	14 VA	30	15	0.5-10	A10AC
L182D48-114-2450	1.1/4"	24/50	14 VA	30	15	0.5-10	A10AE
L182D48-114-24	1.1/4"	24V DC	9 W	30	15	0.5-10	A10AL
L182D48-112-230	1.1/2"	230/50	14 VA	45	27	0.5-10	A10AA
L182D48-112-110	1.1/2"	110/50	14 VA	45	27	0.5-10	A10AC
L182D48-112-2450	1.1/2"	24/50	14 VA	45	27	0.5-10	A10AE
L182D48-112-24	1.1/2"	24V DC	9 W	45	27	0.5-10	A10AL
L182D48-2-230	2"	230/50	14 VA	45	34	0.5-10	A10AA
L182D48-2-110	2"	110/50	15 VA	45	34	0.5-10	A10AC
L182D48-2-2450	2"	24/50	16 VA	45	34	0.5-10	A10AE
L182D48-2-24	2"	24V DC	9 W	45	34	0.5-10	A10AL

Tech Sheet 1977

## General Purpose 2/2 N/O, Pilot Operated Solenoid Valves



3/8"-2" WRAS Approved. EPDM Seal



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L282D01-38-230	3/8"	230/50	6 VA	13.5	2.5	0.35-12	B10AA
L282D01-38-110	3/8"	110/50	6 VA	13.5	2.5	0.35-12	B10AC
L282D01-38-2450	3/8"	24/50	6 VA	13.5	2.5	0.35-12	B10AE
L282D01-38-24	3/8"	24V DC	5.5 W	13.5	2.5	0.35-12	C10AL
L282D01-12-230	1/2"	230/50	6 VA	13.5	3.8	0.35-12	B10AA
L282D01-12-110	1/2"	110/50	6 VA	13.5	3.8	0.35-12	B10AC
L282D01-12-2450	1/2"	24/50	6 VA	13.5	3.8	0.35-12	B10AE
L282D01-12-24	1/2"	24V DC	5.5 W	13.5	3.8	0.35-12	C10AL
L282D01-34-230	3/4"	230/50	6 VA	18	5	0.35-10	B10AA
L282D01-34-110	3/4"	110/50	6 VA	18	5	0.35-10	B10AC
L282D01-34-2450	3/4"	24/50	6 VA	18	5	0.35-10	B10AE
L282D01-34-24	3/4"	24V DC	5.5 W	18	5	0.35-10	C10AL
L282D01-1-230	1"	230/50	6 VA	24	12	0.35-10	B10AA
L282D01-1-110	1"	110/50	6 VA	24	12	0.35-10	B10AC
L282D01-1-2450	1"	24/50	6 VA	24	12	0.35-10	B10AE
L282D01-1-24	1"	24V DC	5.5 W	24	12	0.35-10	C10AL
L282D48-114-230	1.1/4"	230/50	14 VA	30	15	0.5-10	A10AA
L282D48-114-110	1.1/4"	110/50	14 VA	30	15	0.5-10	A10AC
L282D48-114-2450	1.1/4"	24/50	14 VA	30	15	0.5-10	A10AE
L282D48-114-24	1.1/4"	24V DC	9 W	30	15	0.5-10	A10AL
L282D01-112-230	1.1/2"	230/50	14 VA	45	27	0.5-10	A10AA
L282D01-112-110	1.1/2"	110/50	14 VA	45	27	0.5-10	A10AC
L282D01-112-2450	1.1/2"	24/50	14 VA	45	27	0.5-10	A10AE
L282D01-112-24	1.1/2"	24V DC	9 W	45	27	0.5-10	A10AL
L282D01-2-230	2"	230/50	14 VA	45	34	0.5-10	A10AA
L282D01-2-110	2"	110/50	14 VA	45	34	0.5-10	A10AC
L282D01-2-2450	2"	24/50	14 VA	45	34	0.5-10	A10AE
L282D01-2-24	2"	24V DC	9 W	45	34	0.5-10	A10AL

Tech Sheet 1978



For Reinforced PVC Braided Hose  
Type RPVC (to BS6066)  
see pages 1402-1406



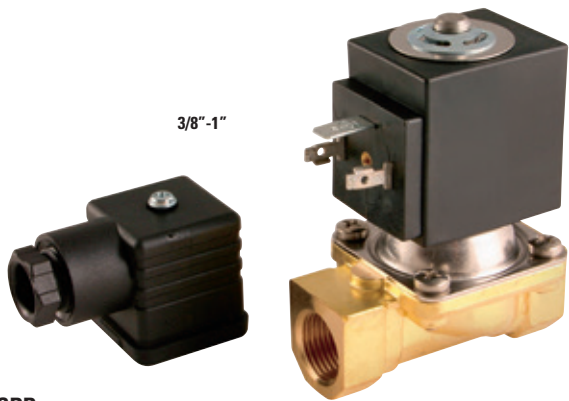
# SOLENOID VALVES



## Direct Operated & Pilot Operated (zero rated) Solenoid Valves



1/8"-1/4"



3/8"-1"

### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>2</sup> /HR	Max Pressure Bar	Replacement Coil
G256C136S-23050	1/8"	230/50	4.5 VA	2	0.12	0-15	533534-003
G256C136S-11050	1/8"	110/50	4.5 VA	2	0.12	0-15	533534-024
G256C136S-2450	1/8"	24/50	4.5 VA	2	0.12	0-15	533534-011
G256C136S-24	1/8"	24V DC	3.5 W	2	0.12	0-6	533534-001
G256I21S-23050	1/4"	230/50	14 VA	2.4	0.18	0-20	533593-003
G256C121S-11050	1/4"	110/50	14 VA	2.4	0.18	0-20	533593-020
G256C121S-2450	1/4"	24/50	14 VA	2.4	0.18	0-20	533593-011
G256C121S-24	1/4"	24V DC	9W	2.4	0.18	0-20	533593-002
L133B16-38-230	3/8"	230/50	14 VA	12.5	2	0-10	530AA
L133B16-38-110	3/8"	110/50	14 VA	12.5	2	0-10	530AC
L133B16-38-2450	3/8"	24/50	14 VA	12.5	2	0-10	530AE
L133B16-38-24	3/8"	24V DC	9W	12.5	2	0-3	530AL
L133B16-12-230	1/2"	230/50	24 VA	12.5	2.2	0-10	130AA
L133B16-12-110	1/2"	110/50	24 VA	12.5	2.2	0-10	130AC
L133B16-12-2450	1/2"	24/50	24 VA	12.5	2.2	0-10	130AE
L133B16-12-24	1/2"	24V DC	13W	12.5	2.2	0-3	130AL
L133B07-34-230	3/4"	230/50	24VA	17	4.5	0-10	130AA
L133B07-34-110	3/4"	110/50	24VA	17	4.5	0-10	130AC
L133B07-34-2450	3/4"	24/50	24VA	17	4.5	0-10	130AE
L133B07-34-24	3/4"	24V DC	13W	17	4.5	0-3	130AL
L133B06-1-230	1"	230/50	33VA	24	9	0-10	923EA
L133B06-1-110	1"	110/50	33VA	24	9	0-10	923EC
L133B06-1-2450	1"	24/50	33VA	24	9	0-10	923EE
L133B06-1-24	1"	24V DC	17W	24	9	0-3	923AL

Tech Sheets 870, 871 & 863

## Steam & Hot Water 2/2 N/C, Pilot Operated Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>2</sup> /HR	Max Pressure Bar	Replacement Coil
L145R2-12-230	1/2"	230/50	10VA	10	2.5	0.4-8	614AA
L145R2-12-110	1/2"	110/50	10VA	10	2.5	0.4-8	614AC
L145R2-12-24	1/2"	24V AC	10VA	10	2.5	0.4-8	614AE
L145R4-34-230	3/4"	230/50	14VA	16	4.5	0.4-6	534AA
L145R4-34-110	3/4"	110/50	14VA	16	4.5	0.4-6	534AC
L145R2-1-230	1"	230/50	14VA	18.5	18.5	0.4-6	534AA
L145R2-1-110	1"	110/50	14VA	18.5	18.5	0.4-6	534AC

Tech Sheet 864

## General Purpose 3/2 N/C, Direct Acting Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>2</sup> /HR	Max Pressure Bar	Replacement Coil
G356C136S-23050	1/8"	230/50	4.5 VA	1.6	0.08	0-10	533534-003
G356C136S-11050	1/8"	110/50	4.5 VA	1.6	0.08	0-10	533534-024
G356C136S-2450	1/8"	24/50	4.5 VA	1.6	0.08	0-10	533534-011
G356C136S-24	1/8"	24V DC	5W	1.6	0.08	0-10	533534-002
L321B02C-14-230	1/4"	230/50	14VA	2.3	0.14	0-8	230
L321B02C-14-110	1/4"	110/50	14VA	2.3	0.14	0-8	110
L321B02C-14-2450	1/4"	24/50	14VA	2.3	0.14	0-8	2450
L321B02C-14-24	1/4"	24V DC	9W	2.3	0.14	0-8	24DC

Tech Sheets 868 & 869

# SOLENOID VALVES



## Pilot Operated (zero rated) Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L153D07-12-230*	1/2"	230/50	12VA	11.5	2.1	0-8	134AA
L153D07-12-110*	1/2"	110/50	12VA	11.5	2.1	0-8	134AC
L153D07-12-24*	1/2"	24V AC	12VA	11.5	2.1	0-8	134AE
L153D07-34-230	3/4"	230/50	12VA	17	5	0-8	134AA
L153D07-34-110	3/4"	110/50	12VA	17	5	0-8	134AC
L153D07-34-24	3/4"	24V AC	12VA	17	5	0-8	134AE
L153D5-1-230	1"	230/50	27VA	22	8.5	0-8	923EA
L153D5-1-110	1"	110/50	27VA	22	8.5	0-8	923EC
L153D5-1-24	1"	24V AC	27VA	22	8.5	0-8	923AL

Tech Sheet 865

\* Please Note 0-6 Bar Hot Water.

### DIN Plug



### To suit Sirai Valves

0030	To Suit
122	122 Coil
182	182 Coil

## Replacement Coils



### To suit Sirai Valves

0030	Voltage	Plug
823AA	230/50	122
823AC	110/50	122
823AL	24V DC	122
830AE	24/50	122
A10AA	230/50	182
A10AC	110/50	182
A10AE	24/50	182
A10AL	24V DC	182
B10AA	230/50	122
B10AC	110/50	122
B10AE	24/50	122
B10AL	24V DC	122
530AA	230/50	182
530AC	110/50	182
530AL	24V DC	182
130AA	230/50	182
130AC	110/50	182
130AE	24/50	182
130AL	24V DC	182
923EA	230/50	182
923EC	110/50	182
923EE	24/50	182
923AL	24V DC	182
614AA	230/50	122
614AC	110/50	122
614AE	24V AC	122
534AA	230/50	182
534AC	110/50	182
534AE	24V AC	182
134AA	230/50	182
134AC	110/50	182
134AE	24V AC	182
934AA	230/50	182
934AC	110/50	182
934AE	24V AC	182
610AA	230/50	122
610AC	110/50	122
610AE	24/50	122
610AL	24V DC	122

# SOLENOID VALVES



## VZWF 2/2 Way Normally Closed Solenoid Valves

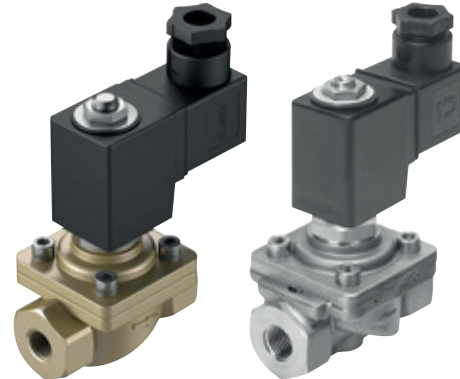
### Features:

- Available in brass or stainless steel body
- BSPP threads
- NBR seals
- Stainless steel tube and internals
- Suitable for applications such as water, inert gases, compressed air systems and neutral liquids.  
Also suitable for vacuum with Pabs > 100 mbar
- 22 centistokes maximum viscosity
- IP65 rating

**Working Temperature:**  
-10°C to +80°C

**Ambient Temperature:**  
-10°C to +35°C

**Maximum Working Pressure:**  
10 bar: 1/4" to 1/2"  
6 bar: 3/4" upwards



### Brass

0990	Size	Festo Type Code	Voltage
1492110	1/4"	VZWF-B-L-M22C-G14-135-1P4-10	24V DC
1492206	1/4"	VZWF-B-L-M22C-G14-135-2AP4-10	110V AC
1492302	1/4"	VZWF-B-L-M22C-G14-135-3AP4-10	230V AC
1492111	3/8"	VZWF-B-L-M22C-G38-135-1P4-10	24V DC
1492207	3/8"	VZWF-B-L-M22C-G38-135-2AP4-10	110V AC
1492303	3/8"	VZWF-B-L-M22C-G38-135-3AP4-10	230V AC
1492112	1/2"	VZWF-B-L-M22C-G12-135-1P4-10	24V DC
1492208	1/2"	VZWF-B-L-M22C-G12-135-2AP4-10	110V AC
1492304	1/2"	VZWF-B-L-M22C-G12-135-3AP4-10	230V AC
1492113	3/4"	VZWF-B-L-M22C-G34-275-1P4-6	24V DC
1492209	3/4"	VZWF-B-L-M22C-G34-275-2AP4-6	110V AC
1492305	3/4"	VZWF-B-L-M22C-G34-275-3AP4-6	230V AC
1492114	1"	VZWF-B-L-M22C-G1-275-1P4-6	24V DC
1492210	1"	VZWF-B-L-M22C-G1-275-2AP4-6	110V AC
1492306	1"	VZWF-B-L-M22C-G1-275-3AP4-6	230V AC

Tech Sheet 6264

### Stainless Steel

0990	Size	Festo Type Code	Voltage
1492118	1/4"	VZWF-B-L-M22C-G14-135-1P4-10-R1	24V DC
1492214	1/4"	VZWF-B-L-M22C-G14-135-2AP4-10-R1	110V AC
1492310	1/4"	VZWF-B-L-M22C-G14-135-3AP4-10-R1	230V AC
1492119	3/8"	VZWF-B-L-M22C-G38-135-1P4-10-R1	24V DC
1492215	3/8"	VZWF-B-L-M22C-G38-135-2AP4-10-R1	110V AC
1492311	3/8"	VZWF-B-L-M22C-G38-135-3AP4-10-R1	230V AC
1492120	1/2"	VZWF-B-L-M22C-G12-135-1P4-10-R1	24V DC
1492216	1/2"	VZWF-B-L-M22C-G12-135-2AP4-10-R1	110V AC
1492312	1/2"	VZWF-B-L-M22C-G12-135-3AP4-10-R1	230V AC
1492121	3/4"	VZWF-B-L-M22C-G34-275-1P4-6-R1	24V DC
1492217	3/4"	VZWF-B-L-M22C-G34-275-2AP4-6-R1	110V AC
1492313	3/4"	VZWF-B-L-M22C-G34-275-3AP4-6-R1	230V AC
1492122	1"	VZWF-B-L-M22C-G1-275-1P4-6-R1	24V DC
1492218	1"	VZWF-B-L-M22C-G1-275-2AP4-6-R1	110V AC
1492314	1"	VZWF-B-L-M22C-G1-275-3AP4-6-R1	230V AC

Tech Sheet 6264

## VZWM 2/2 Way Normally Closed Solenoid Valves

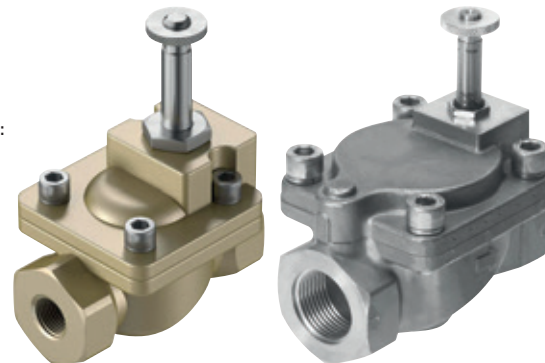
### Features:

- Available in brass or stainless steel body
- BSPP threads
- NBR seals
- Steel tube and internals
- Suitable for applications such as water, inert gases, compressed air systems and neutral liquids
- 22 centistokes maximum viscosity
- IP65 rating with a DIN connector fitte
- For a complete diaphragm opening, a minimum pressure of 0.5 bar is required for sizes 1/4" to 1" and 0.7 bar for sizes 1.1/4" upwards

**Working Temperature:**  
-10°C to +60°C

**Ambient Temperature:**  
-10°C to +60°C

**Maximum Working Pressure:**  
10 bar (gases)  
6 bar (liquids)



### Brass

0990	Size	Festo Type Code	Solenoid Coil Size
546146	1/4"	VZWM-L-M22C-G14-F4	F4
546147	3/8"	VZWM-L-M22C-G38-F4	F4
546148	1/2"	VZWM-L-M22C-G12-F4	F4
546149	3/4"	VZWM-L-M22C-G34-F4	F4
546150	1"	VZWM-L-M22C-G1-F4	F4
546151	1.1/4"	VZWM-L-M22C-G114-F5	F5
546152	1.1/2"	VZWM-L-M22C-G112-F5	F5
546153	2"	VZWM-L-M22C-G2-F5	F5

Tech Sheet 6265

### Stainless Steel

0990	Size	Festo Type Code	Solenoid Coil Size
546162	1/4"	VZWM-L-M22C-G14-F5-R1	F5
546163	3/8"	VZWM-L-M22C-G38-F5-R1	F5
546164	1/2"	VZWM-L-M22C-G12-F5-R1	F5
546165	3/4"	VZWM-L-M22C-G34-F5-R1	F5
546166	1"	VZWM-L-M22C-G1-F5-R1	F5
546167	1.1/4"	VZWM-L-M22C-G114-F5-R1	F5
546168	1.1/2"	VZWM-L-M22C-G112-F5-R1	F5
546169	2"	VZWM-L-M22C-G2-F5-R1	F5

Tech Sheet 6265

# SOLENOID VALVES

## Solenoid Valves

### Features:

- Electrical connection according to DIN EN 175301-803 Form A
- Any mounting position
- IP65 rating
- 100% duty rating



### Features:

- Electrical connection according to DIN EN 175301-803 Form A
- Reinforced PA housing
- IP65 rating



### Solenoid Coil

0990	Size	Festo Type Code	Voltage
549903	F4	MD-2-24VDC-PA	24V DC
549904	F4	MD-2-110VAC-PA	110V AC
549905	F4	MD-2-230VAC-PA	230V AC
549906	F5	MH-2-24VDC-PA	24V DC
549907	F5	MH-2-110VAC-PA	110V AC
549908	F5	MH-2-230VAC-PA	230V AC

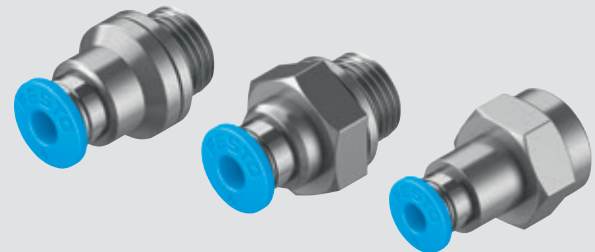
Tech Sheet 6266

### DIN Plug

0990	Size	Festo Type Code
550067	1/4" to 2"	MSSD-N

Tech Sheet 6267

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You might also need...  
**Festo Male Studs**  
 ...see page **808**

**Require technical support with Festo products?...**

Contact our technical sales team and they will be happy to assist you.

# SOLENOID VALVES

stainless  
steel



Parker's 2 way and 3 way, normally closed and normally open, solenoid valves are used in a wide variety of applications, with or without pressure differential. Ideal for air, liquids and gases, these valves are available with a brass or stainless steel body with a range of sealing materials offering vast chemical compatibilities.

## Applications:

- Compressors
- Water dispensing and purification
- Cooling systems
- Sterilisers
- Analysers and diagnostic equipment
- Medical and dental devices
- Welding equipment
- Lubrication equipment
- Beverage dispensing and vending machines
- Oil burners
- Humidification and misting equipment
- Mobile equipment
- Textile and dry cleaning machines
- Irrigation

## Solenoid Valves, Stainless Steel 316L

° Working Temperature:  
-10°C to +140°C

Please see technical data sheet for working pressures



### 2/2 Way, Normally Closed, Viton Seal, BSPP

0484	Thread	Orifice mm	Voltage	Manufacturer's Code
550000DIS	1/8"	1.5	24V DC	550000DIS
550001DIS	1/8"	1.5	230V AC	550001DIS
550002DIS	1/4"	1.5	24V DC	550002DIS
550003DIS	1/4"	1.5	230V AC	550003DIS
550004DIS	1/4"	2.5	24V DC	550004DIS
550005DIS	1/4"	2.5	230V AC	550005DIS
550009DIS	3/8"	5	230V AC	550009DIS
550010DIS	1/2"	5	24V DC	550010DIS
550011DIS	1/2"	5	230V AC	550011DIS

Tech Sheet 60420

Maximum Working Pressure  
6 bar

### 2/2 Way, Normally Open, Viton Seal, BSPP

0484	Thread	Orifice mm	Voltage	Manufacturer's Code
550013DIS	1/4"	3	230V AC	550013DIS

Tech Sheet 60421

Maximum Working Pressure  
8 bar

### 3/2 Way, Normally Closed, Viton Seal, BSPP

0484	Thread	Orifice mm	Voltage	Manufacturer's Code
550014DIS	1/8"	1.5	24V DC	550014DIS
550015DIS	1/8"	1.5	230V AC	550015DIS
550016DIS	1/4"	1.5	24V DC	550016DIS
550017DIS	1/4"	1.5	230V AC	550017DIS

Tech Sheet 60421

## 2/2 Way Solenoid Valves, Direct Lift, Stainless Steel

° Maximum Working Temperature:  
+100°C

Maximum Working Pressure  
16 bar = AC  
6 bar = DC



### Normally Closed, Viton Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
221G6306-230AC	3/8"	230V AC	221G6306-2995-4818653D
221G6506-230AC	1/2"	230V AC	221G6506-2995-4818653D
221G6536-24DC	1/2"	24V DC	221G6536-2995-492425C2
221G6606-230AC	3/4"	230V AC	221G6606-2995-4818653D
221G6106-230AC	1"	230V AC	221G6106-2995-4818653D
221G6136-24DC	1"	24V DC	221G6136-2995-492425C2

Tech Sheet 60440

# SOLENOID VALVES



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### Applications:

- Compressors
- Water dispensing and purification
- Cooling systems
- Sterilisers
- Analysers and diagnostic equipment
- Medical and dental devices
- Welding equipment
- Lubrication equipment
- Beverage dispensing and vending machines
- Oil burners
- Humidification and misting equipment
- Mobile equipment
- Textile and dry cleaning machines
- Irrigation

## 2/2 Way Solenoid Valves, Brass, Compact Design

Working Temperature:  
-10°C to +140°C

Maximum Working Pressure:  
10 bar = AC  
7 bar = DC



### Normally Closed, Viton Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
321K3106-230AC	1/4"	230V AC	321K3106-8993-4889803D
321K3106-24DC	1/4"	24V DC	321K3106-8993-488980C2
321K3306-230AC	3/8"	230V AC	321K3306-8993-4889803D
321K3306-24DC	3/8"	24V DC	321K3306-8993-488980C2
321K3506-230AC	1/2"	230V AC	321K3506-8993-4889803D
321K3506-24DC	1/2"	24V DC	321K3506-8993-488980C2
321K3606-230AC	3/4"	230V AC	321K3606-8993-4889803D
321K3606-24DC	3/4"	24V DC	321K3606-8993-488980C2
321K3706-230AC	1"	230V AC	321K3706-8993-4889803D
321K3706-24DC	1"	24V DC	321K3706-8993-488980C2

Tech Sheet 60417

Working Temperature:  
-10°C to +100°C

Maximum Working Pressure:  
12 bar



### Normally Open, Viton Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
322K4106-24DC	1/4"	24V DC	322K4106-2995-481865C2
322K4506-230AC	1/2"	230V AC	322K4506-2995-4818653D
322K4506-24DC	1/2"	24V DC	322K4506-2995-481865C2
322K4606-230AC	3/4"	230V AC	322K4606-2995-4818653D
322K4606-24DC	3/4"	24V DC	322K4606-2995-481865C2

Tech Sheet 60418

## 2/2 Way Solenoid Valves, Brass, Direct Lift

Working Temperature:  
-10°C to +100°C

Maximum Working Pressure:  
16 bar = AC  
10 bar = DC



### Normally Closed, Nitrile Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
221G13-230AC	3/8"	230V AC	221G13-2995-4818653D
221G13-24DC	3/8"	24V DC	221G13-2995-492425C2
221G1530-24DC	1/2"	24V DC	221G1530-2995-481865C2
221G16-230AC	3/4"	230V AC	221G16-2995-4818653D
221G16-24DC	3/4"	24V DC	221G16-2995-492425C2
221G17-24DC	1"	24V DC	221G17-2995-492425C2

Tech Sheet 60416

### Normally Closed, Large Flow, Nitrile Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
221G21-230AC	1"	230V AC	221G21-2995-4818653D
221G2130-24DC	1"	24V DC	221G2130-2995-481865C2

Tech Sheet 60416

## 3/2 Way Solenoid Valve, Aluminium Banjo Design

Working Temperature:  
-10°C to +50°C

Maximum Working Pressure:  
10 bar



### Normally Closed, Nitrile Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
131B14-24DC	1/8"	24V DC	131B14-496131C2
131B14-230AC	1/8"	230V AC	131B14-496131P9
131B04-24DC	1/4"	24V DC	131B04-496131C2
131B04-230AC	1/4"	230V AC	131B04-496131P9

Tech Sheet 60415



# SOLENOID VALVES



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## Applications:

- Compressors
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- Oil burners
- Humidification and misting equipment
- Mobile equipment
- Textile and dry cleaning machines
- Irrigation



## 2/2 Way Solenoid Valves, Brass, Hot Water & Liquids

- ° Working Temperature:**  
 -10°C to +140°C (3/8" to 1")  
 -10°C to +50°C (1.1/4" to 2")
- Maximum Working Pressure:**  
 10 bar

### Normally Closed, EPDM Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
550036DIS	3/8"	24V DC	550036DIS
550037DIS	3/8"	230V AC	550037DIS
550026DIS	3/4"	24V DC	550026DIS
550029DIS	1"	230V AC	550029DIS
550218DIS	2"	230V AC	550218DIS

Tech Sheet 60423

## 2/2 Way Solenoid Valves, Brass, Hot Water & Liquids

- ° Working Temperature:**  
 -10°C to +90°C
- Maximum Working Pressure:**  
 20 bar (3/8" to 1/2")  
 10 bar (3/4" to 3")

### Normally Closed, Nitrile Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
550039DIS	3/8"	230V AC	550039DIS
550198DIS	3/4"	230V AC	550198DIS
550030DIS	1"	24V DC	550030DIS
550031DIS	1"	230V AC	550031DIS
550033DIS	1.1/4"	230V AC	550033DIS
550034DIS	1.1/2"	24V DC	550034DIS
550035DIS	1.1/2"	230V AC	550035DIS

Tech Sheet 60424

## 2/2 Way Solenoid Valves, Brass, Hot Water & Liquids

- ° Working Temperature:**  
 -10°C to +90°C
- Maximum Working Pressure:**  
 20 bar (3/8" to 1")  
 10 bar (1.1/2" to 2")

### Normally Open, Nitrile Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
550057DIS	3/8"	230V AC	550057DIS
550046DIS	1/2"	24V DC	550046DIS
550047DIS	1/2"	230V AC	550047DIS
550049DIS	3/4"	230V AC	550049DIS
550050DIS	1"	24V DC	550050DIS
550051DIS	1"	230V AC	550051DIS
550052DIS	1.1/2"	24V DC	550052DIS

Tech Sheet 60425

## 2/2 Way Solenoid Valves, Brass, Steam & Hot Water

- ° Working Temperature:**  
 -30°C to +180°C
- Maximum Working Pressure:**  
 10 bar

### Normally Closed, PTFE Seal, BSPP

0484	Thread	Voltage	Manufacturer's Code
550072DIS	1/2"	230V AC	550072DIS
550076DIS	1"	230V AC	550076DIS

Tech Sheet 60426

# SOLENOID VALVES



## General Purpose 2/2 N/C Pilot Operated Solenoid Valves

**Media:** Water, oil and air  
**Seal:** Nitrile  
**Speed Control Screw:** Standard on 1.1/2" and 2"  
**Body:** Brass  
**Protection Class:** IP65 (with connector fitted)

**Working Temperature:**  
 -10°C to +90°C



### BSPP

0263	Thread	Voltage	Coil Consumption	DN Size	KV LPM	Max Pressure Bar	Replacement Coil
F180-38-230	3/8"	230/50	10VA	13	55	0.3-16	2700
F180-38-110	3/8"	110/50	10VA	13	55	0.3-16	2400
F180-38-24	3/8"	24DC	7W	13	55	0.3-16	2250
F180-12-230	1/2"	230/50	10VA	13	63	0.3-16	2700
F180-12-110	1/2"	110/50	10VA	13	63	0.3-16	2400
F180-12-24	1/2"	24DC	7W	13	63	0.3-16	2250
F180-34-230	3/4"	230/50	10VA	21	90	0.3-16	2700
F180-34-110	3/4"	110/50	10VA	21	90	0.3-16	2400
F180-34-24	3/4"	24DC	7W	21	90	0.3-16	2250
F180-1-230	1"	230/50	10VA	25	216	0.3-16	2700
F180-1-110	1"	110/50	10VA	25	216	0.3-16	2400
F180-1-24	1"	24DC	7W	25	216	0.3-16	2250
F180-112-230	1.1/2"	230/50	18VA	40	400	0.5-16	7700
F180-112-110	1.1/2"	110/50	18VA	40	400	0.5-16	7400
F180-112-24	1.1/2"	24DC	14W	40	400	0.5-16	7250
F180-2-230	2"	230/50	18VA	50	540	0.5-16	7700
F180-2-110	2"	110/50	18VA	50	540	0.5-16	7400
F180-2-24	2"	24DC	14W	50	540	0.5-16	7250

Tech Sheet 10376

## General Purpose 2/2 N/O Pilot Operated Solenoid Valves

**Media:** Water, oil and air  
**Seal:** Nitrile  
**Speed Control Screw:** Standard on 1.1/2" and 2"  
**Body:** Brass  
**Protection Class:** IP65 (with connector fitted)

**Working Temperature:**  
 -10°C to +90°C



### BSPP

0263	Thread	Voltage	Coil Consumption	DN Size	KV LPM	Max Pressure Bar	Replacement Coil
F280-38-230	3/8"	230/50	10VA	13	55	0.3-16	2700
F280-38-110	3/8"	110/50	10VA	13	55	0.3-16	2400
F280-38-24	3/8"	24DC	7W	13	55	0.3-16	2250
F280-12-230	1/2"	230/50	10VA	13	63	0.3-16	2700
F280-12-110	1/2"	110/50	10VA	13	63	0.3-16	2400
F280-12-24	1/2"	24DC	7W	13	63	0.3-16	2250
F280-34-230	3/4"	230/50	10VA	21	100	0.3-16	2700
F280-34-110	3/4"	110/50	10VA	21	100	0.3-16	2400
F280-34-24	3/4"	24DC	7W	21	100	0.3-16	2250
F280-1-230	1"	230/50	10VA	21	160	0.3-16	2700
F280-1-110	1"	110/50	10VA	21	160	0.3-16	2400
F280-1-24	1"	24DC	7W	21	160	0.3-16	2250
F280-112-230	1.1/2"	230/50	18VA	40	480	0.5-16	7700
F280-112-24	1.1/2"	24DC	14W	40	480	0.5-16	7250
F280-2-230	2"	230/50	18VA	50	600	0.5-16	7700
F280-2-110	2"	110/50	18VA	50	600	0.5-16	7400
F280-2-24	2"	24DC	14W	50	600	0.5-16	7250

Tech Sheet 10377

## General Purpose 2/2 N/C Direct Acting Solenoid Valves

**Media:** Water, oil and air  
**Seal:** FKM  
**Body:** Brass  
**Protection Class:** IP65 (with connector fitted)

**Working Temperature:**  
 -10°C to +120°C



### BSPP

0263	Thread	Voltage	Coil Consumption	DN Size	KV LPM	Max Pressure Bar	Replacement Coil
F133-18-230	1/8"	230/50	10VA	2	1.9	0-12	2700
F133-18-110	1/8"	110/50	10VA	2	1.9	0-12	2400
F133-18-24	1/8"	24DC	7W	2	1.9	0-9	2250
F133-14-230	1/4"	230/50	18VA	3	4.5	0-15	7700
F133-14-110	1/4"	110/50	18VA	3	4.5	0-15	7400
F133-14-24	1/4"	24DC	14W	3	4.5	0-8	7250
F133-38-230	3/8"	230/50	18VA	4	6	0-8	7700
F133-38-110	3/8"	110/50	18VA	4	6	0-8	7400
F133-38-24	3/8"	24DC	14W	4	6	0-5	7250

Tech Sheet 10374

# SOLENOID VALVES



## Stainless Steel 2/2 N/C Direct Acting Solenoid Valves

**Media:** Aggressive media  
**Seal:** FKM  
**Body:** Stainless steel  
**Protection Class:** IP65  
(with connector fitted)

**Working Temperature:**  
-10°C to +130°C

stainless steel



### BSPP

0263	Thread	Voltage	Coil Consumption	DN Size	KV LPM	Max Pressure Bar	Replacement Coil
<b>FSS-18-24</b>	1/8"	24DC	14W	3	4.5	0-8	7250
<b>FSS-14-230</b>	1/4"	230/50	18VA	3	4.5	0-15	7700
<b>FSS-14-110</b>	1/4"	110/50	18VA	3	4.5	0-15	7400
<b>FSS-14-24</b>	1/4"	24DC	14W	3	4.5	0-8	7250

Tech Sheet 10380

## General Purpose 3/2 N/C Direct Acting Solenoid Valves

**Media:** Water, oil and air  
**Seal:** FKM  
**Body:** Brass  
**Protection Class:** IP65  
(with connector fitted)

**Working Temperature:**  
-10°C to +130°C



### BSPP

0263	Thread	Voltage	Coil Consumption	DN Size	KV LPM	Max Pressure Bar	Replacement Coil
<b>F333-18-230</b>	1/8"	230/50	18VA	2	2.2	0-10	7700
<b>F333-18-110</b>	1/8"	110/50	18VA	2	2.2	0-10	7400
<b>F333-18-24</b>	1/8"	24DC	14W	2	2.2	0-10	7250
<b>F333-14-230</b>	1/4"	230/50	18VA	2	2.2	0-10	7700
<b>F333-14-110</b>	1/4"	110/50	18VA	2	2.2	0-10	7400
<b>F333-14-24</b>	1/4"	24DC	14W	2	2.2	0-10	7250

Tech Sheet 10251

## 2/2 Way Pilot Operated Valve with Assisted Lift

**Media:** Water, oil and air  
**Note:**

Other voltages available on request

**Working Temperature:**  
-10°C to +130°C



### Compact Version, BSPP

0263	Thread	Voltage	Coil Consumption	DN Size	KV LPM	Max Pressure Bar	Replacement Coil
<b>D884DVU-230/50</b>	1/4"	230/50	18VA	10.5	21	0-16	7700
<b>D884DVU-110/50</b>	1/4"	110/50	18VA	10.5	21	0-16	7400
<b>D885DVU-230/50</b>	3/8"	230/50	18VA	10.5	24	0-16	7700
<b>D885DVU-24</b>	3/8"	24DC	14W	10.5	24	0-4.5	7250
<b>D886DVU-230/50</b>	1/2"	230/50	18VA	10.5	25	0-16	7700
<b>D886DVU-110/50</b>	1/2"	110/50	18VA	10.5	25	0-16	7400
<b>D886DVU-24</b>	1/2"	24DC	14W	10.5	25	0-4.5	7250

Tech Sheet 10379

Now available with WRAS approval, FKM seals, EPDM seals, stainless steel body and normally open configurations on request



### High Flow Version, BSPP

0263	Thread	Voltage	Coil Consumption	DN Size	KV LPM	Max Pressure Bar	Replacement Coil
<b>D288DBW-230/50</b>	3/8"	230/50	18VA	15	60	0-16	7700
<b>D288DBW-110/50</b>	3/8"	110/50	18VA	15	60	0-16	7400
<b>D288DBW-24</b>	3/8"	24DC	14W	15	60	0-6	7250
<b>D289DBW-230/50</b>	1/2"	230/50	18VA	15	65	0-16	7700
<b>D289DBW-110/50</b>	1/2"	110/50	18VA	15	65	0-16	7400
<b>D289DBW-24</b>	1/2"	24DC	14W	15	65	0-6	7250
<b>D290DBW-230/50</b>	3/4"	230/50	18VA	15	80	0-16	7700
<b>D290DBW-110/50</b>	3/4"	110/50	18VA	15	80	0-16	7400
<b>D290DBW-24</b>	3/4"	24DC	14W	15	80	0-6	7250
<b>D293DBY-230/50</b>	1"	230/50	18VA	25	170	0-16	7700
<b>D293DBY-110/50</b>	1"	110/50	18VA	25	170	0-16	7400
<b>D293DBY-24</b>	1"	24DC	14W	25	170	0-6	7250

Tech Sheet 10378

# SOLENOID VALVES

## Steam 2/2 Way N/C Pilot Operated Solenoid Valves

Ambient Temperature:  
 -10°C to +70°C  
 Working Temperature:  
 -10°C to +180°C

### 2/2 Way N/C, BSPP

0263	Thread	LPM	Min Pressure Bar	Max Pressure Bar
D634DTT24VAC	1/4"	21	0.3	10
D634DTT110VAC	1/4"	21	0.3	10
D634DTT240VAC	1/4"	21	0.3	10
D635DTT24VAC	3/8"	24	0.3	10
D635DTT110VAC	3/8"	24	0.3	10
D635DTT240VAC	3/8"	24	0.3	10
D636DTT24VAC	1/2"	25	0.3	10
D636DTT110VAC	1/2"	25	0.3	10
D636DTT240VAC	1/2"	25	0.3	10
D606DTY24VAC	3/4"	120	1	10
D606DTY110VAC	3/4"	120	1	10
D606DTY240VAC	3/4"	120	1	10
D622DTY24VAC	1"	120	1	10
D622DTY110VAC	1"	120	1	10
D622DTY240VAC	1"	120	1	10

Tech Sheet 974



## DIN Connectors



### Plug to suit F133/F180/F280 (1/8"-1")

0263	2021-7303
	Tech Sheet 974

### Plug to suit FSS/F153/F180/F280/F333 (1/8"-2")

0263	2021-7329
	Tech Sheet 974

### DIN Connectors with RED indicating LED



### LED Plug to suit F133/F180/F280 (1/8"-1")

0263	Voltage
2027-5384	10V - 50V
2027-5392	70V - 250V

Tech Sheet 974

### LED Plug to suit FSS/F153/F180/ F280/F333 (1/8"-2")

0263	Voltage
2027-5400	10V - 50V
2027-5418	70V - 250V

Tech Sheet 974

## Valve Coils



0263	Voltage
2700	230/50
2400	110/50
2250	24DC
7700	230/50
7400	110/50
7250	24DC
7701	230/50
7401	110/50
7251	24DC

Tech Sheet 974

Many experts in the fluid power industry frequently utilise pre-wired DIN connectors to meet their hydraulic, pneumatic, and process valve needs. These connectors were once referred to as DIN 43650 but are now industry standard EN175301-803.

- Thoroughly tested and ready for installation.
- Eliminates assembly errors.
- No manual cutting or wiring is required
- Reduction in labour costs
- Improved product efficiency and reliability.
- Improved IP ratings.
- Protection against ingress and environmental elements.

By opting for pre-assembled connectors, engineers can be assured of time and cost savings. Equipment and machinery can be safeguarded from contamination and environmental hazards. Additionally, the application will benefit from a noticeable improvement in IP ratings, which can elevate your rating from IP65 to IP67. Pre-moulded connectors provide a smart and efficient solution to any application.

The moulded insulated cable is crafted with premium-grade PVC to guarantee optimal performance and safety for all your connectors. Our utmost priority is to offer an unparalleled product that meets and exceeds your expectations.

Incorporating pre-assembled DIN connectors is a proven method for engineers to significantly increase efficiency and reduce costs.



7

## MA6 Series



FORM A – Industrial (18mm Pin Spacing) Moulded Cable

0330	Voltage	Size mm Square	LED+VDR	Cable Length Metres
MA634V54PA05100	24V AC/DC	30	LED + VDR	1
MA634V54PA05300	24V AC/DC	30	LED + VDR	3
MA634V54PA05500	24V AC/DC	30	LED + VDR	5
MA634V55PA05100	115V AC	30	LED + VDR	1
MA634V55PA05300	115V AC	30	LED + VDR	3
MA634V55PA05500	115V AC	30	LED + VDR	5
MA634V56PA05100	230V AC	30	LED + VDR	1
MA634V56PA05300	230V AC	30	LED + VDR	3
MA634V56PA05500	230V AC	30	LED + VDR	5

Tech Sheet 10163

## MB6 Series



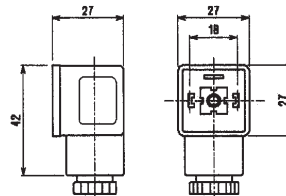
FORM B – Industrial (11mm Pin Spacing) Moulded Cable

0330	Voltage	Size mm Rectangle	LED+VDR	Cable Length Metres
MB635V54PA05100	24V AC/DC	22	LED + VDR	1
MB635V54PA05300	24V AC/DC	22	LED + VDR	3
MB635V54PA05500	24V AC/DC	22	LED + VDR	5
MB635V55PA05100	115V AC	22	LED + VDR	1
MB635V55PA05300	115V AC	22	LED + VDR	3
MB635V55PA05500	115V AC	22	LED + VDR	5
MB635V56PA05100	230V AC	22	LED + VDR	1
MB635V56PA05300	230V AC	22	LED + VDR	3
MB635V56PA05500	230V AC	22	LED + VDR	5

Tech Sheet 10163

## Connector DIN43650/A

- Housing colour: Black, grey
- Type of contact: Screw with conductor protection
- Contact spacing: 18mm
- Number of poles: 2 poles +  $\frac{1}{3}$  +  $\frac{1}{3}$
- Cable diameter 6-8mm for PG9, 8-10mm for PG11.
- Max conductor section: 1.5mm<sup>2</sup>
- Fixing screw: M3 x 30
- The gasket (profiled or flat) is made of thermoplastic rubber in black.
- Protection class IP67 is also available (external thread as gland size, cable dia. 4,5-8mm)
- Packing unit: \*100 pieces with fixing screw and standard gasket

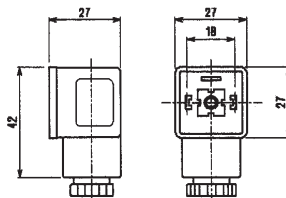


## Standard

9072	Description
G1NU2000	PG9 / PG11 Black 2 Poles + Earth

## Connector DIN43650/A

- Housing colour: Transparent
- Type of contact: Screw with conductor protection
- Contact spacing: 18mm
- Number of poles: 2 poles +  $\frac{1}{3}$
- Cable diameter 6-8mm for PG9, 8-10mm for PG11.
- Max conductor section: 1.5mm<sup>2</sup>
- Fixing screw: M3 x 30
- The gasket (profiled or flat) is made of thermoplastic rubber in black.
- Protection class IP67 is also available (external thread as gland size, cable dia. 4,5-8mm)
- Working voltages available : 12V, 24V, 48V, 110V and 250V

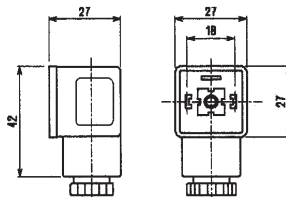


## LED &amp; Protection Circuit

9072	Description
G1TU2VL1	PG9 / PG11 24V 2 Poles + Earth
G1TU2VL2	PG9 / PG11 115V 2 Poles + Earth
G1TU2VL3	PG9 / PG11 230V 2 Poles + Earth

## Connector DIN43650/A with cable

- Housing colour: Black
- Type of contact: Soldered
- Contact spacing: 18mm
- Number of poles: 2 poles + 2  $\frac{1}{3}$
- Earth position: h6/h12 (ground connection)
- Item available also with 3P+G
- Type of cable: Section 0,50mm and 0,75mm
- Cable length: 1 or 2 metres (other length upon request)
- Max conductor section: IP 65 with moulded cable
- Fixing screw: M3 x 25
- Profile gasket: NBR (other types upon request)
- Cable diameter 6-8mm for PG9, 8-10mm for PG11.



The gasket is integrated on the head of the connector and made of Sipolprene TPC-ET



## Moulded Cable

9072	Description
CG1N02000C022	2 Metres 2 Poles + Double Earth

## Connector DIN43650/A

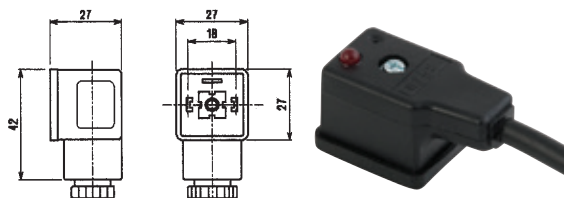
- Housing colour: Black
- Type of contact: Soldered, 18mm
- Number of poles: 2 poles + 2  $\overline{\text{—}}$
- Earth position: h6/h12 (ground connection)
- Type of cable: Section 0,50mm and 0,75mm
- Item available also with 3P+G
- Cable length: 1 or 2 metres (other length upon request)
- Max conductor section: 1.5 mm<sup>2</sup>
- Protection class: IP 65 with moulded cable
- Fixing screw: M3 x 25
- Profile gasket: NBR (other types upon request)

The gasket is integrated on the head of the connector and made of Sipolprene TPC-ET

In case of connectors with LED+VDR, working voltages available are 12V, 24V, 48V, 110V and 250V  
In case of connectors with LED+diode, working voltages available 10/50V and 70/250V

### Moulded Cable, LED & Protection Circuit

9072	Description
CG1N02VL1C022	2 Metre 24V 2 Poles + Double Earth
CG1N02VL2C022	2 Metre 115V 2 Poles + Double Earth
CG1N02VL3C022	2 Metre 230V 2 Poles + Double Earth

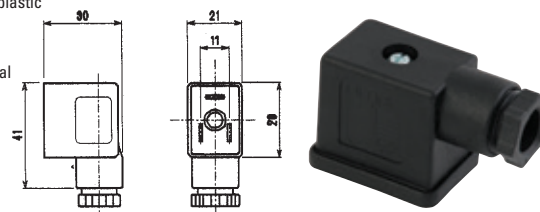


## Connector DIN43650/B-Industrial

- Housing colour: Black, grey
- Type of contact: Screw with conductor protection
- Contact spacing: 11mm
- Number of poles: 2 poles +  $\overline{\text{—}}$
- Cable diameter 6-8mm (PG9)
- Max conductor section: 1.5mm<sup>2</sup>
- Fixing screw: M3 x 30
- The gasket (profiled or flat) is made of thermoplastic rubber in black.
- Protection class: IP 65 assembled
- Protection class IP67 is also available (external thread as gland size, cable dia. 4,5-8mm)

### Standard

9072	Description
M1NS2000	PG9 Black 2 Poles + Earth

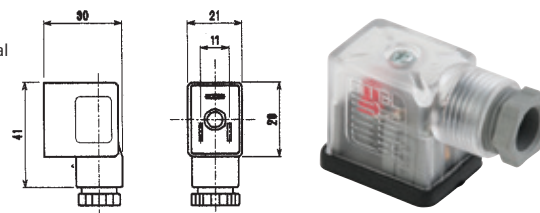


## Connector DIN43650/B-Industrial

- Housing colour: Transparent
- Type of contact: Screw with conductor protection
- Contact spacing: 11mm
- Number of poles: 2 poles +  $\overline{\text{—}}$
- Cable entry: PG9
- Max conductor section: 1.5mm<sup>2</sup>
- Fixing screw: M3x30
- The gasket (profiled or flat) is made of thermoplastic rubber in black.
- Protection class IP67 is also available (external thread as gland size, cable dia. 4,5-8mm)

### LED & Protection Circuit

9072	Description
M1TS2VL1	PG9 24V 2 Poles + Earth
M1TS2VL2	PG9 115V 2 Poles + Earth
M1TS2VL3	PG9 230V 2 Poles + Earth

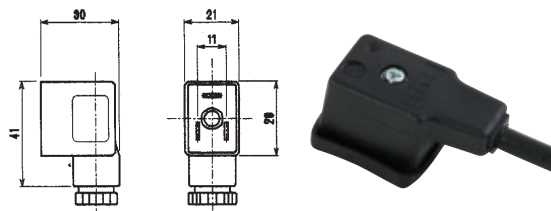


## Connector DIN43650/B-Industrial Moulded Cabled

- Housing colour: Black
- Type of contact: Soldered
- Contact spacing: 11mm
- Number of poles: 2 poles +  $\overline{\text{—}}$
- Item supplied with 2P+2G (double ground H6/H12)
- Type of cable: Section 0,50mm and 0,75mm
- Cable length: 1 or 2 metres (other length upon request)
- Max conductor section: 1.5mm<sup>2</sup>
- Protection class: IP 65 with moulded cables
- Fixing screw: M3 x 25
- Profile gasket: The gasket is integrated on the head of the connector and made of Sipolprene TPC-ET

### Connector DIN43650/B-Industrial Moulded Cabled

9072	Description
CM1N02000A022	2 Metre 2 Poles + Earth at Cable End
CM1N02000B022	2 Metre 2 Poles + Earth Opposite Cable End

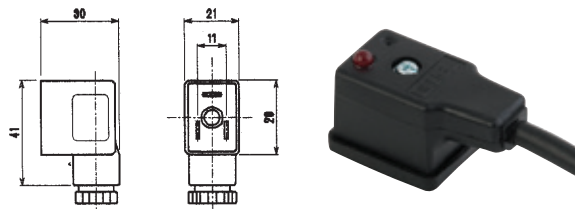


## Connector DIN43650/B-Industrial

- Housing colour: Black
- Type of contact: Soldered
- Contact spacing: 11mm
- Number of poles: 2 poles +  $\perp$
- Item supplied with 2P+2G (double ground H6/H12)
- Type of cable: Section 0,50mm and 0,75mm
- Cable length: 1 or 2 metres (other length upon request)
- Max conductor section: 1.5mm<sup>2</sup>
- Protection class: IP 65 with moulded cables
- Fixing screw: M3 x 25
- Profile gasket: The gasket is integrated on the head of the connector and made of Sipolprene TPC-ET
- In case of connectors with LED+VDR, working voltages available are 12V, 24V, 48V, 110V and 250V
- In case of connectors with LED+diode, working voltages available 10/50V and 70/250V

### Moulded Cabled, LED & Protection Circuit

9072	Description
CM1N02VL1A022	2 Metre 24V Poles + Earth at Cable End
CM1N02VL2A022	2 Metre 115V Poles + Earth at Cable End
CM1N02VL3A022	2 Metre 230V Poles + Earth at Cable End
CM1N02VL1B022	2 Metre 24V Poles + Earth Opposite End
CM1N02VL2B022	2 Metre 115V Poles + Earth Opposite End
CM1N02VL3B022	2 Metre 230V Poles + Earth Opposite End



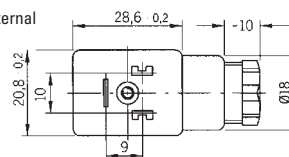
## Connector DIN43650/B-ISO6952

- Housing colour: Black, grey
- Type of contact: Screw with conductor protection
- Contact spacing: 10mm
- Number of poles: 2 poles +  $\perp$
- Cable diameter 6-8mm (PG9)
- Max conductor section: 1.5mm<sup>2</sup>
- Fixing screw: M3 x 30
- The gasket (profiled or flat) is made of thermoplastic rubber in black.
- Protection class: IP 65 assembled
- Protection class IP67 is also available (external thread as gland size, cable dia. 4,5-8mm)

Item available also with cable

### Standard

9072	Description
M2NS2000	PG9 Black 2 Poles + Earth



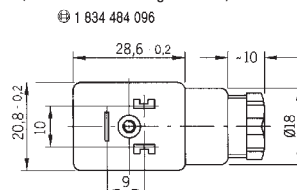
## Connector DIN43650/B-ISO6952

- Housing colour: Transparent
- Type of contact: Screw with conductor protection
- Contact spacing: 10mm
- Number of poles: 2 poles +  $\perp$
- Cable entry: PG9
- Max conductor section: 1.5mm<sup>2</sup>
- Fixing screw: M3 x 30
- The gasket (profiled or flat) is made of thermoplastic rubber in black.
- Protection class: IP 65 assembled
- Protection class IP67 is also available (external thread as gland size, cable dia. 4,5-8mm)

Item available also with cable

### LED & Protection Circuit

9072	Description
M2TS2VL1	PG9 24V 2 Poles + Earth
M2TS2VL2	PG9 115V 2 Poles + Earth
M2TS2VL3	PG9 230V 2 Poles + Earth



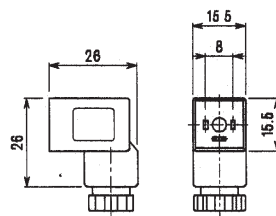
## Connector DIN43650/C

- Housing colour: Black, grey
- Type of contact: Screw with conductor protection
- Contact spacing: 9.4mm  $\perp$
- Number of poles: 3 poles +  $\perp$
- Cable entry: PG7 2P+G
- Cable diameter 4-6mm (PG7).
- Max conductor section: 0.75mm<sup>2</sup>
- Fixing screw: M3 x 27
- Profile gasket: (profiled or flat) is made of thermoplastic rubber in black.
- Protection class: IP 65 assembled
- Protection class IP67 is also available (external thread as gland size, cable dia. 3,5-6mm)
- Item available also with spacing 8mm
- Item available also with circuitry

Item available also with cable

### Standard

9072	Description
P1NZ3000	PG7 Black 3 Poles + Earth







# **Parker** Partnership brands available



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**Metal Push-in Fittings**  
See section 6 pages 848-851

**Ball Valves**  
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