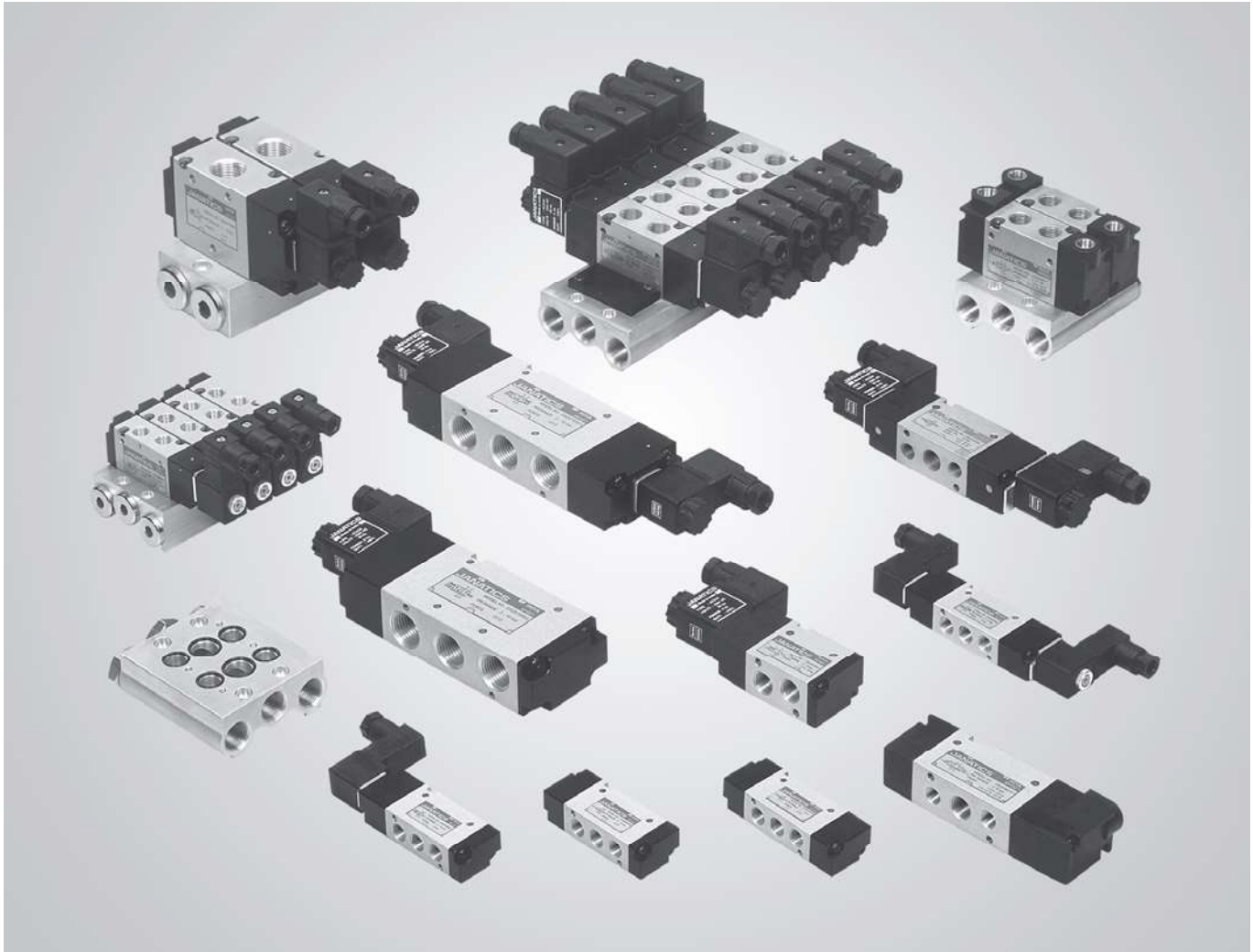


Compact Valve

Series : DS2

Sizes : G1/8, G1/4, G1/2



- ❑ 3/2, 5/2, 5/3 valves
- ❑ Suitable for 8 bar - G1/8, 10 bar - G1/4, G1/2 air pressure
- ❑ External air pilot and Solenoid pilot operated versions
- ❑ Solenoid coils suitable for continuous duty cycle
- ❑ Available coil voltages : AC - 220V, 110V, 48V, 24V
DC - 110V, 48V, 24V, 12V

COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

COMPACT VALVE - G1/8

Features

- ☐ Suitable for manifold mounting
- ☐ Mounting provision for individual unit
- ☐ Compact size
- ☐ Manual override
- ☐ Wide range of manifolds available
- ☐ Wide range of coil voltages

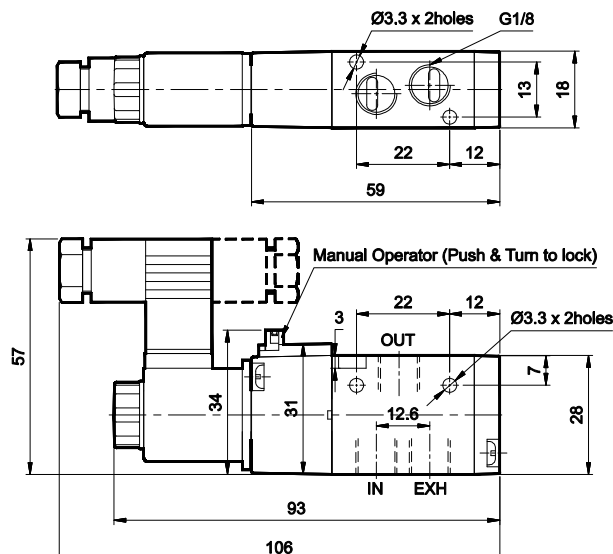


Technical Specifications

Model	DS2		
Type	3/2, 5/2, 5/3		
Design	Spool type		
Port Size	Inlet, Outlet, Exhaust - G1/8,	External pilot - M5	
Medium	Compressed air - Dry, filtered, lubricated		
Working Pressure range	2 - 8 bar		
External pilot pressure (ER model)	2 - 4 bar		
Recommended oil for lubrication	ISO VG32 (Servo system 32)		
Ambient / Medium temperature	5° - 60° C		
Flow ®	450 lts/min		
Materials of construction	Aluminium, Nitrile, Brass, Acetal, PBT, Zinc, SS, Nylon, Poly Amide		
Electrical			
Coil width	17 mm		
Voltage (V) ± 10%	AC (50 Hz) - 24, 48, 110, 220		
	DC - 12, 24, 48, 110		
Power consumption	AC - 3.6 VA, DC - 2.5 W		
Duty cycle	Continuous		
Class of insulation	Class F		
Type of coil protection	IP65		

@ Inlet pressure 6 bar, and pressure drop 1 bar

3 / 2 Single Solenoid pilot operated valve with spring return



1 - Inlet, 2 - Outlet, 3 - Exhaust

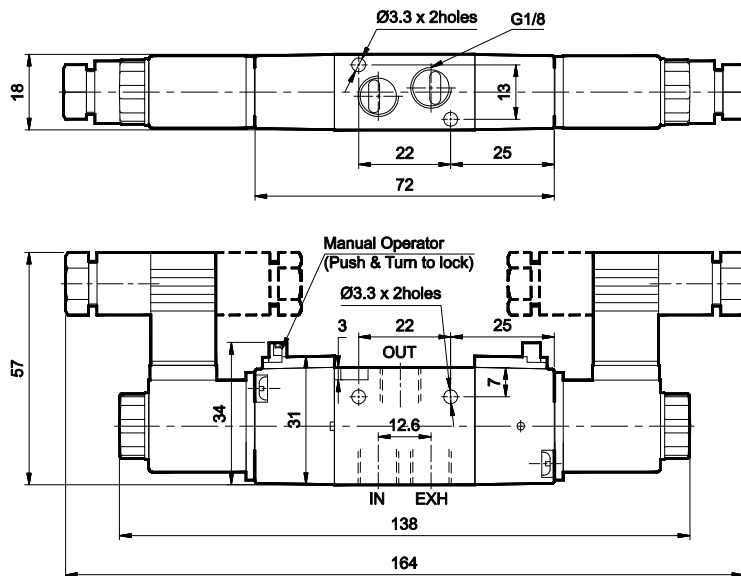
Ordering No*	DS234SR60	DS244SR60
Type	Normally open	Normally closed
Symbol		

COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

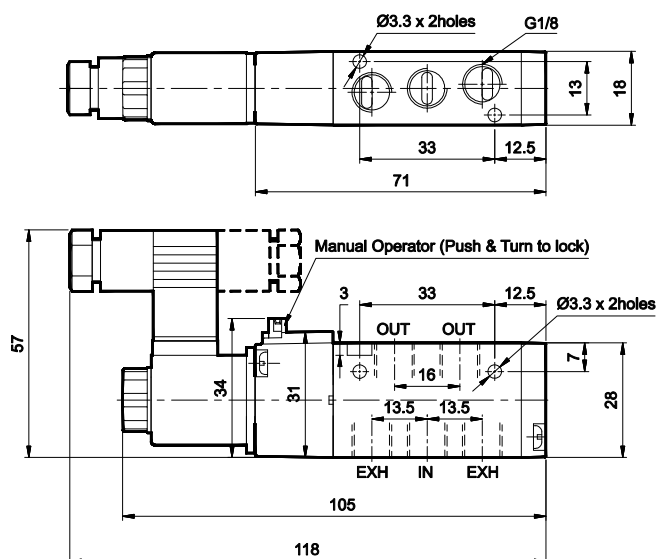
3 / 2 Double solenoid pilot operated valve



1 - Inlet, 2 - Outlet, 3 - Exhaust

Ordering No*	DS234SS60	DS244SS60
Type	Normally open	Normally closed
Symbol		

5 / 2 Single solenoid pilot operated valve with spring return



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust

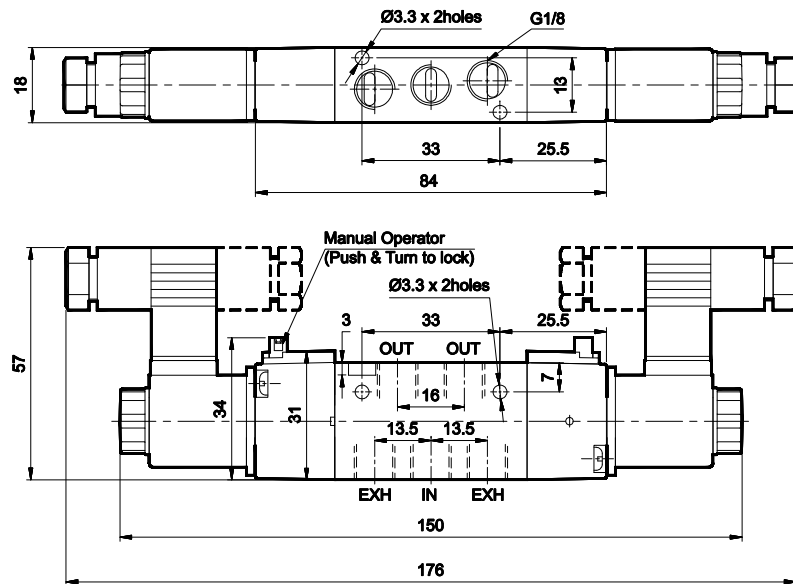
Ordering No*	DS254SR60
Symbol	

COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

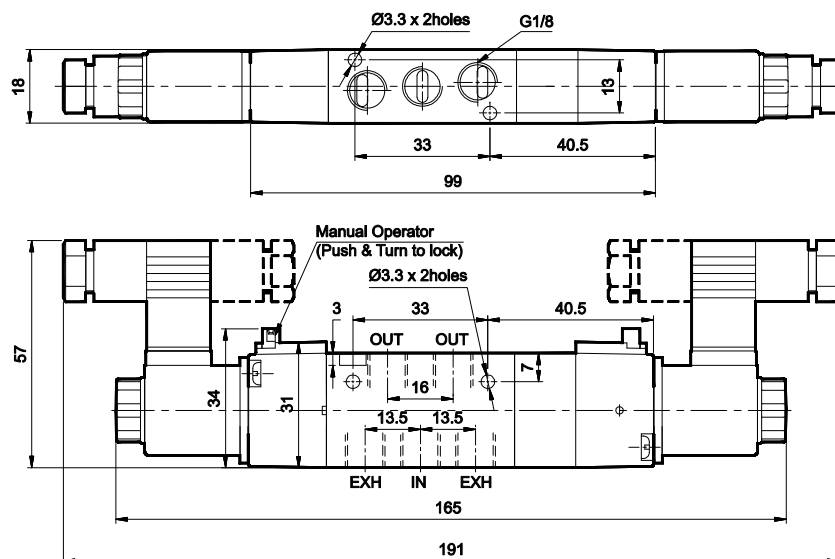
5 / 2 Double solenoid pilot operated valve



1 - Inlet, 2, 4 - Outlet, 3, 5 - Exhaust

Ordering No*	DS254SS60
Symbol	

5 / 3 Double solenoid pilot operated valve with spring centered



1 - Inlet, 2, 4 - Outlet, 3, 5 - Exhaust

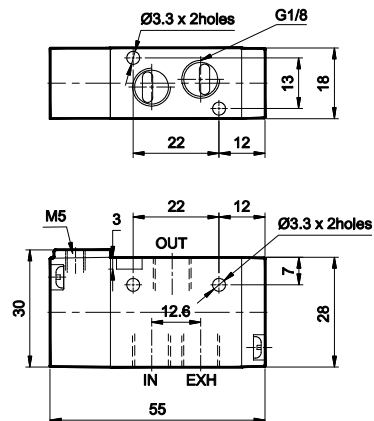
Ordering No*	DS264SC60	DS274SC60	DS284SC60
Type	Blocked	Exhausted	Energised
Symbol			

COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

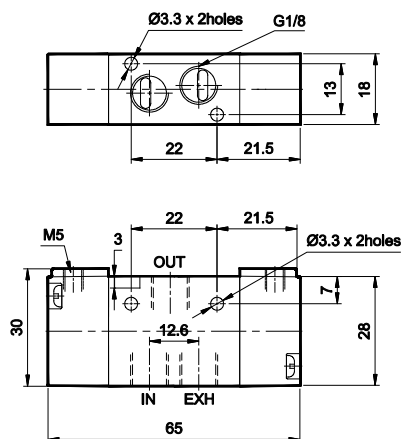
3 / 2 Single External pilot operated valve with spring return



1 - Inlet, 2 - Outlet, 3 - Exhaust, 12, 10 - External pilot

Ordering No	DS234ER60	DS244ER60
Type	Normally open	Normally closed
Symbol		

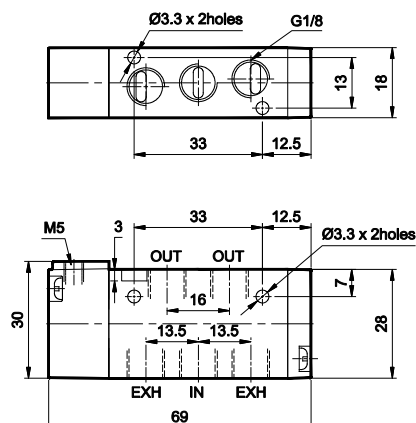
3 / 2 Double External pilot operated valve



1 - Inlet, 2 - Outlet, 3 - Exhaust, 12, 10 - External pilot

Ordering No	DS234EE60	DS244EE60
Type	Normally open	Normally closed
Symbol		

5 / 2 Single External pilot operated valve with spring return



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust, 14 - External pilot

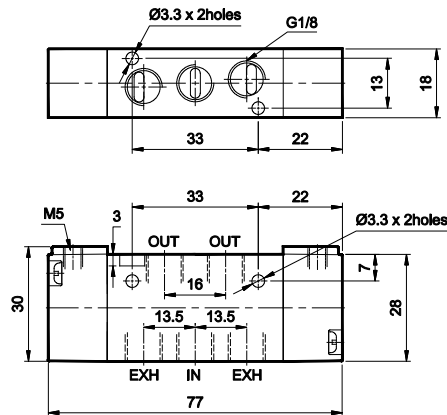
Ordering No	DS254ER60
Symbol	

COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

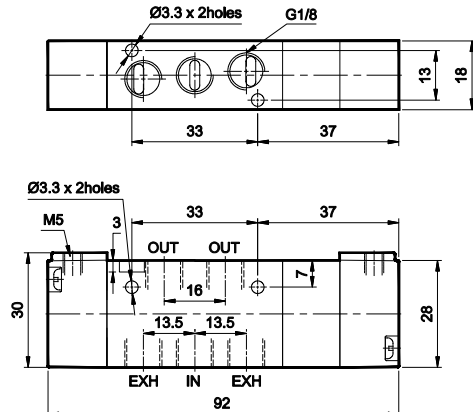
5 / 2 Double External pilot operated valve



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust, 14,12 - External pilot

Ordering No	DS254EE60
Symbol	

5 / 3 Double External pilot operated valve with spring centered



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust, 14,12 - External pilot

Ordering No	DS264EC60	DS274EC60	DS284EC60
Type	Blocked	Exhausted	Energised
Symbol			

Note : While mounting compact valves in M004 type manifold, use only AS0160 silencers

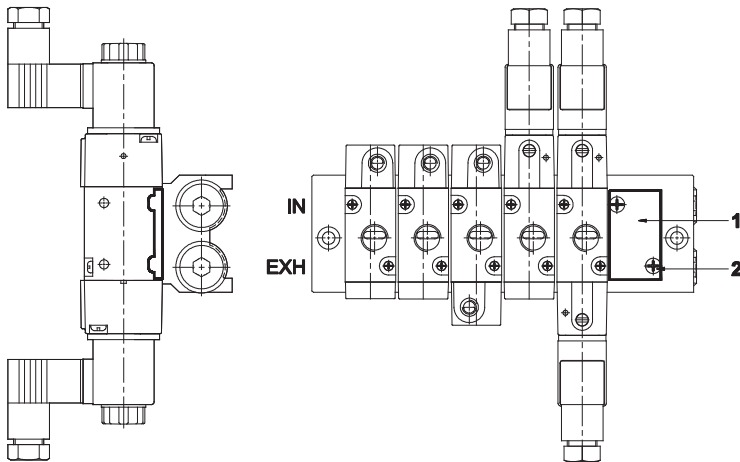
COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

ACCESSORIES FOR COMPACT VALVE

Cover plate assembly for Manifold Type M051

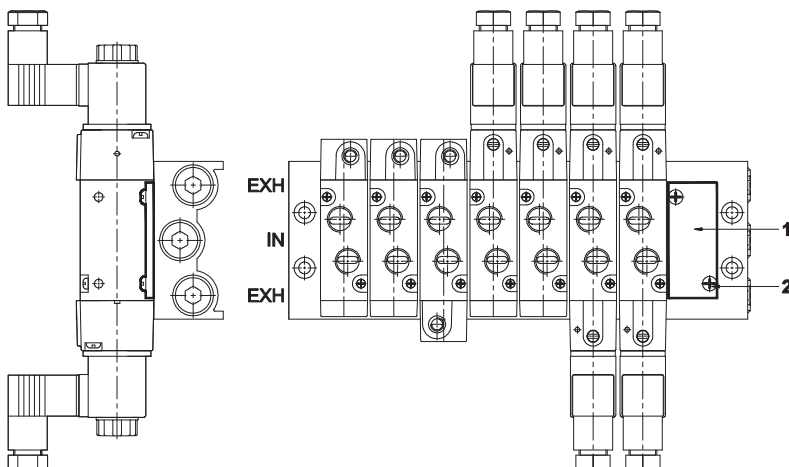


SL NO	Item	Qty	Ordering No
1	Cover plate	1	A4C07
2	Screw - M3x8	2	

Application:

The cover plate assembly can be used to plug the unutilised position in a manifold. For eg., if it is required to mount only 5 valves on manifold no. M0510106, the sixth position can be plugged and made dummy using a cover plate assembly. (refer picture above)

Cover plate assembly for Manifold Type M003



SL NO	Item	Qty	Ordering No
1	Cover plate	1	A4C06
2	Screw - M3x8	2	

Application:

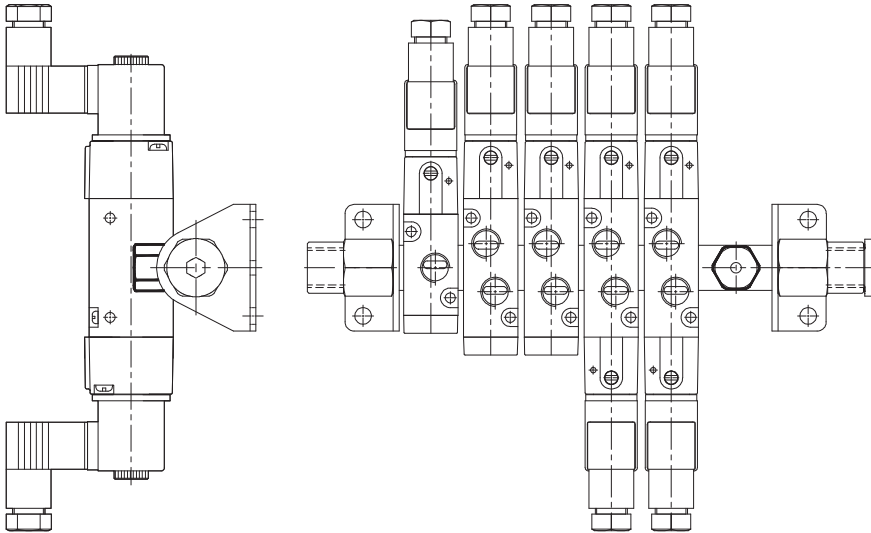
The cover plate assembly can be used to plug the unutilised position in a manifold. For eg., if it is required to mount only 7 valves on manifold no. M0030108, the eighth position can be plugged and made dummy using a cover plate assembly. (refer picture above)

COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

Dummy plug for Manifold Type M004



Item	Ordering No.
Dummy plug	A4C08

Application:

This dummy plug can be used to plug the unutilised position in a manifold. For eg., if it is required to mount only 5 valves on manifold no. M0040106, the sixth position can be plugged and made dummy using a dummy plug. (refer picture above)

COMPACT VALVE - 1/8

Series DS2

Cat No DS2 - 01 - 07

How to order

1. Solenoid valve + " Connectors without LED "

While ordering Solenoid operated valves, please mention the suffix given below along with the model number to indicate the required voltage

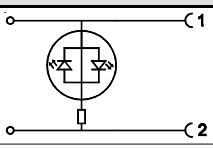
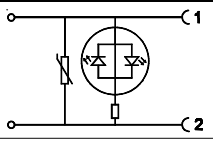
A	220V AC	Q	110V D C
B	110V AC	S	48V D C
D	48V AC	W	24V D C
G	24V AC	R	12V D C

Example

- The ordering no. for 3/2 NC Single solenoid valve, 24V D.C coil with PG cable is **DS244SR60-W**
- The ordering no. for 3/2 NC Single solenoid valve, 24V D.C coil with Moulded cable is **DS244SR60-W1**

2. Solenoid valve + " Connectors with LED "

While ordering Solenoid operated valves with LED connectors, given below in the corresponding tables.

			
Voltage	Housing Colour & Indication	LED colour	Connection type
A 220V AC	 T0 Transparent housing with Bipolar LED indicator confirming supply voltage	R Red	0 PG Cable entry
G 24V AC			1 Moulded cable (with 2metre length)
W 24V DC	 T1 Transparent housing with Bipolar LED indicator confirming supply voltage plus varistor to give over voltage protection to the source and load		

Example

The Ordering no for 3/2 NC Single solenoid valve (1/8"), 24V DC, connectors with LED of Transparent colour housing with Bipolar LED and varistor, Red colour LED with moulded cable : **DS244SR60-WT1R1**

Coil spare ordering no.

Coil (without connector)	Ordering no.	
Voltage	AC	DC
220	AC34A	- NA -
110	AC34B	DC36Q
48	AC34D	DC36S
24	AC34G	DC36W
12	- NA -	DC36R