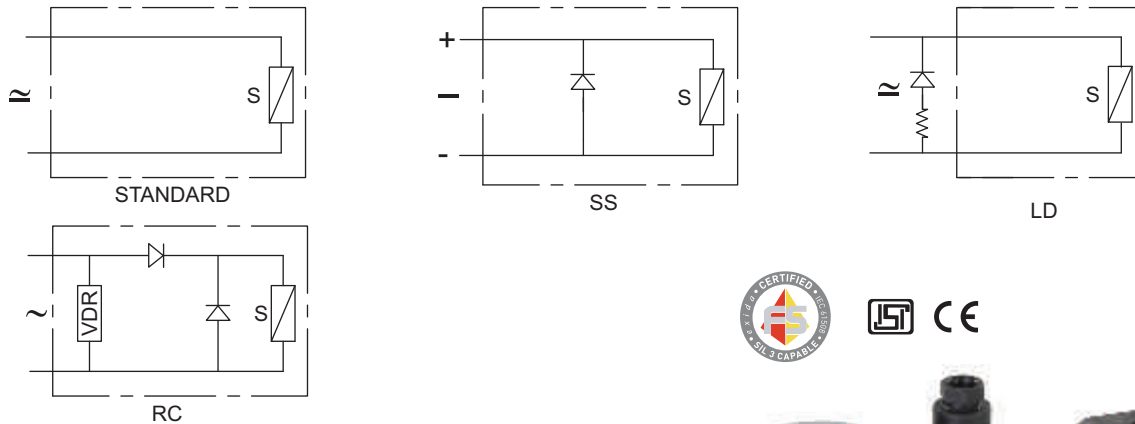


DIN PLUG IN SOLENOID TYPE : 22, 25

CIRCUIT DIAGRAM



FEATURES

- Designed for extreme environmental condition
- Constructed for lowest temperature rise thus longer life
- 'O' Energiser for higher magnetic linkage
- Wider voltage variation
- DIN Plug supplied with Solenoid



SPECIFICATION

Size	I-14 mm, II-18 mm & III-14 mm, 13mm, IV-14mm
Voltage	6 V, 12 V, 24 V, 48 V, 110 V, 220 V
Current	50 Hz, 60 Hz, DC
Enclosure	Cable Entry Pg 9 : As per DIN 43650 Type A & Type B Material Moulded plastic, Steel Chrome plated
Options	Surge Suppressor (SS), LED (LD), Low Power (LW), Rectified (RC)
Power	Refer to table "Power" on page 425A
Insulation Class	Class F, Optionally Class H
Weather Protection	IP67, IP67 M
Approval	Indian, European, SIL
Pick Up Voltage	≤ 70% of Rated Voltage
Drop Down	AC : ≤ 65% of Rated Voltage, DC : ≤ 30% of Rated Voltage
Voltage Variation	Refer to Voltage Variation Table (on page 425B)
Duty Cycle	100% (ED)
Ambient Temperature	Class F, Power ≤ 13W, -20 °C to 75 °C Class H, Power ≤ 13W, -20 °C to 100 °C, Power ≥ 13W, -20 °C to 75 °C

WEIGHT IN kg

Size	Moulded Plastic	Steel
I	0.2	
II		0.5
III		0.3

APPLICATION



INDOOR



OUTDOOR

DIN PLUG IN SOLENOID TYPE : 22, 25

POWER

Voltage	Solenoid		Power (VA)						
	Size	Core Dia	0.4②	1.8②	3.5	8	12	13	30②
6	I	14							
	II	18				✓		▲	
	III	13	✓						
	III	14		✓	✓	▲			
	IV	14		✓					
12	I	14				▲	▲		
	II	18				✓		▲	✓
	III	13	✓						
	III	14		✓	✓	▲			
	IV	14		✓					
24	I	14		✓		▲	▲		
	II	18				✓		▲	✓
	III	13	✓						
	III	14		✓	✓	▲			
	IV	14		✓					
48	I	14				▲	▲		
	II	18						▲	✓
	III	14		✓	✓	▲			
110-120	I①	14					▲		
	II	18				✓		▲	✓
	III	14			✓	▲			
220-240	I①	14					▲		
	II	18				✓		▲	✓
	III	14				▲			
256②	II	18				✓		▲	✓
	III	14				▲			

▲ Standard

✓ Optional Available

① Select Current 50 Hz or 60 Hz

② Select Current DC

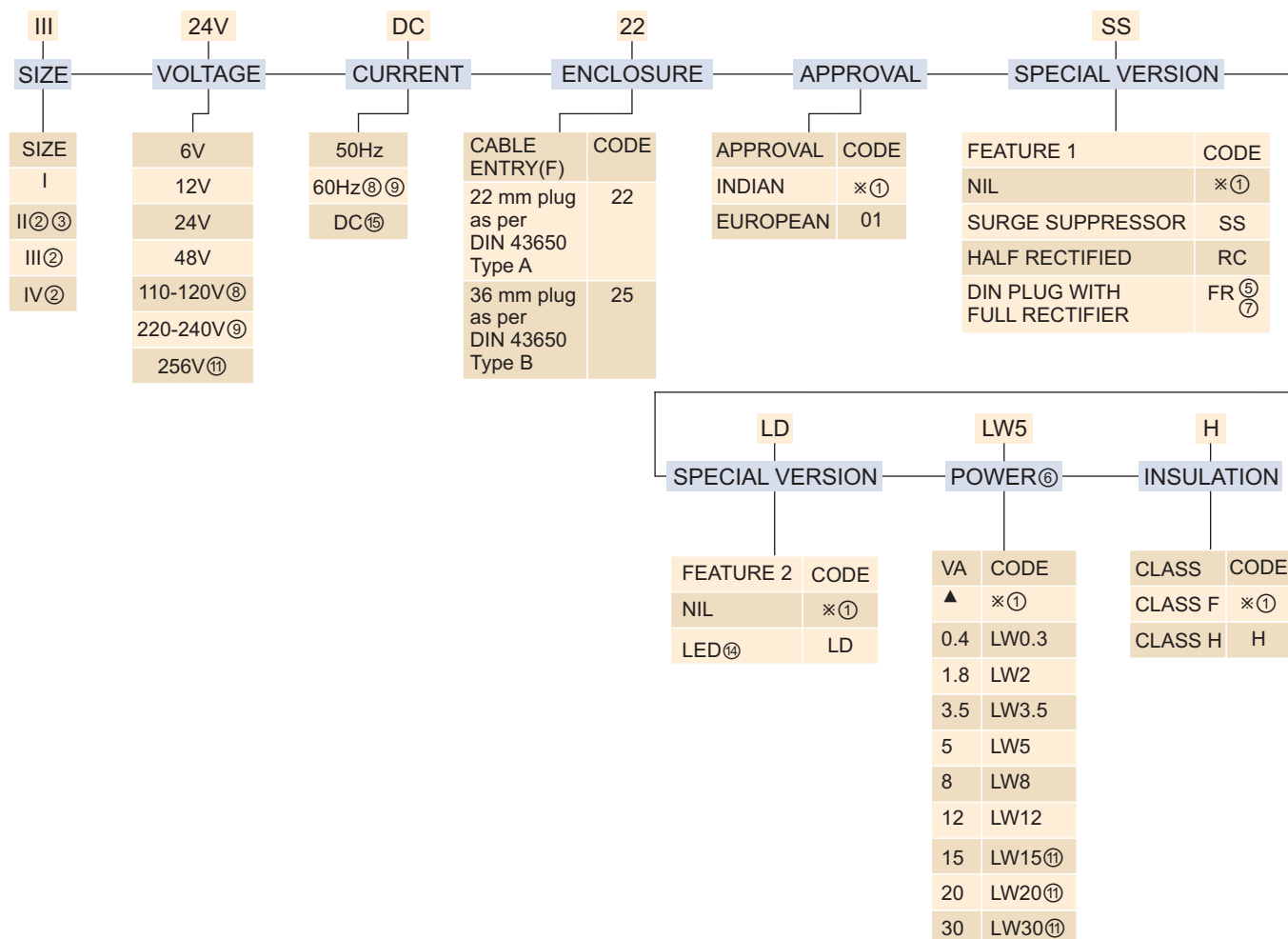
STANDARD POWER

Size	Current	Standard Power W, VA
I	AC	6, 12
	DC	8, 8
II	AC	13, 13
	DC	13, 13
III	AC	6, 12
	DC	8, 8

DIN PLUG IN SOLENOID TYPE : 22, 25

SOLENOID ORDERING CODE

III-24V-DC-22-SS-LD-LW5-H



NOTE : ① Do not specify

② Select enclosure code 25

③ Current 50 Hz, 60 Hz, Select Special version RC

⑤ Select DC current coil to operate for 50 Hz or 60 Hz e.g. 110V DC-25-PR can be use for 110V 50 Hz or 120V, 60 Hz or DC

⑥ Refer Power table on page 425A

⑦ FR option will be available with coil type 25 only

⑧ 110-120V 50 Hz Solenoid can be used for 110V 50 Hz, 120V 60 Hz

⑨ 220-240V 50 Hz Solenoid can be used for 220-240V 50 Hz, 240V 60 Hz

⑪ Select Special version PR for current 50 Hz or 60 Hz

⑭ Voltage 24, 110, 220V current 50 Hz, 60 Hz, DC, LED provided in DIN plug

⑮ 110-120V, 220-240V, current DC, size II, III

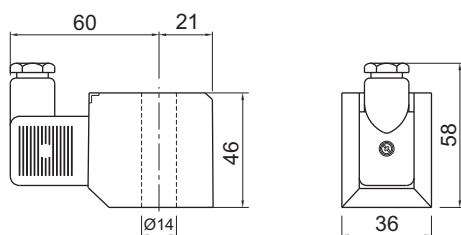
VOLTAGE VARIATION (For Continuous Duty only)

Rated Voltage	Operating Voltage
6	4.8V to 7.2V
12	9.6V to 14.4V
24	19.2V to 28.8V
48	38.4V to 57.6V
110-120	88V to 132V
220-240	176V to 264V
256	192V to 280V

DIN PLUG IN SOLENOID TYPE : 22, 25

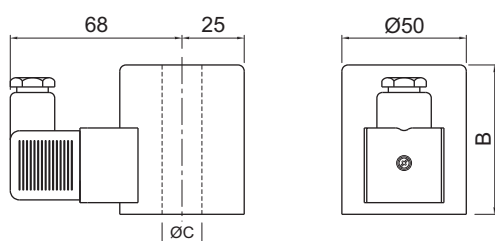
DIMENSION SOLENOID TYPE : 22

Plug as per DIN 43650 Type B



SOLENOID TYPE : 25

Plug as per DIN 43650 Type A



SIZE	ØC	B
III	13	43
II	18	60
IV	14	60
III	14	43

OBSELETE PRODUCTS AND ITS INTERCHANGEABILITY

 Replace with Solenoid code 22 or 25 along with Guide & Plunger Assembly	 Replace with Solenoid coil code 22			
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