

Exproof C51 Series Large Coil

GENERAL FEATURES

- Developed for the control of fluids in explosive atmospheres or have risk of explosive atmospheres.
- Ex proof solenoid coil valves can be used for the control of LPG, natural gas, fuel oil, diesel oil and other flammable explosive fluids.
- As standard, all conductors are encapsulated with an insulating material in Ex proof solenoid coils.
- Ex proof solenoid coils (IP68) are produced as 3 meters cable as standard. It can be produced to the desired size on request.

ELECTRICAL CHARACTERISTICS

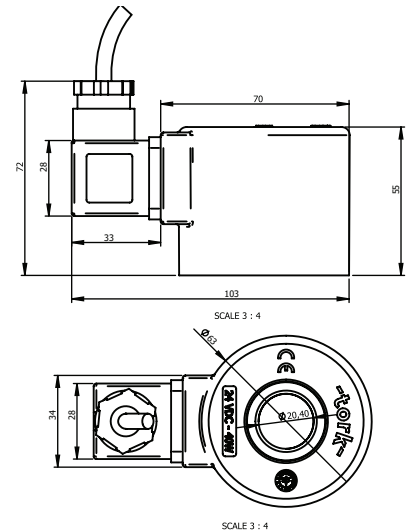
Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C) (IEC 85)
Coil Impregnation	: Reinforced Fiber Glass
Ambient Temperature	: -10°C, +60°C
Protection Degree	: II 2G Ex mb IIC T4 Gb , IP68 II 2DEx tb IIIC t120 C Db , IP68
Electric Plug Connection	: 3x0.75 mm2 Atex cable 3 meter
Connector Specification	: ISO 4400 / EN 175301-803 Form A,
Electrical Safety	: IEC 335
Standard Voltages	: AC 24V 35VA, 110V 30VA, 120V 42VA, 230V 35VA, 230V 42VA DC 12V 40W, 24V 40W
On request other voltages	
Voltages Tolerance	: AC -15%, +10% DC -5%, +10%
Frequency	: 50-60 Hz

COIL MATERIALS

Body	: Atex Poliamid 6.6 GFR 30 FR V0
Internal Parts	: Stainless Steel, Brass: Copper (EN 12735-1)

CABLE CONNECTIONS

Brown Cable	: L / +VDC
Yellow-Green Cable	: Ground
Blue Cable	: N / -VDC



Power Ratios			
Direct Current (DC)			
Coil Type	Voltage	Energy	Current
C51012VDC40W	12	40	3,61
C51024VDC40W	24	40	1,73

Power Ratios			
Alternative Current (AC)			
Coil Type	Voltage	Energy	Current
C51024VAC35VA	24	35	1,50
C51110VAC30VA	110	30	0,27
C51120VAC42VA	120	42	0,31
C51230VAC35VA	230	35	0,16
C51230VAC42VA	230	42	0,19

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)	Protection Class
C51012VDC40W	12VDC 40W	COLD	43,32	43,32	3,61	24	IP68
		HOT	30,05	30,05	2,50	95	IP68
C51024VDC40W	24VDC 40W	COLD	41,52	41,52	1,73	24	IP68
		HOT	30,20	30,20	1,26	95	IP68
C51024VAC35VA	24VAC 35VA	COLD	40,80	36,15	1,50	24	IP68
		HOT	40,32	31,68	1,32	90	IP68
C51110VAC30VA	110VAC 30VA	COLD	39,60	29,92	0,27	24	IP68
		HOT	36,85	27,94	0,25	92	IP68
C51120VAC42VA	120VAC 42VA	COLD	45,24	37,56	0,31	24	IP68
		HOT	42,48	35,04	0,29	99	IP68
C51230VAC35VA	230VAC 35VA	COLD	43,24	36,57	0,16	24	IP68
		HOT	41,40	34,73	0,15	102	IP68
C51230VAC42VA	230VAC 42VA	COLD	50,60	43,93	0,19	24	IP68
		HOT	46,69	40,94	0,18	106	IP68