川 仪 调 节 阀
SIC CONTROL VALVE

VF04E Limit Switch

The VF04E limit switch is a field instrument for detecting the valve state in the automatic control system. It is used to output the open or closed position of the valve as a DI/DO (contact) signal which will then be received by the program controller or searched and sampled by the computer to initiate the next program after confirmation. It can also be used as an important valve interlock protection and remote alarm indicator in the automatic control system.



Product Features

1.Die–cast aluminum alloy shell, powder coating, compact design, and aesthetic appearance;
2. In line with NAMUR standard to maximize interchangeability;
3. Anti–off bolts which are attached to the upper cover and will not fall off during installation and removal;
4. Ambient temperature: –40 ~ +80℃; minimum temperature: –50° C; IP rating: IP67;
5.With gas explosion–proof and dust explosion–proof certification;
6.Double wiring ports and standard contacts to facilitate safe and convenient wiring;
7."Quick position" cam; the position of the switch cam can be adjusted quickly without tools.

Standard Specification

Explosion proof mark	Ambient temperature	Explosion proof mark	Maximum surface temperature
Ex ia Ⅱ C T4…T6 Gb	T4(–40℃/–50℃ ~ +80℃)	Ex ia Ⅱ C T4…T6 Gb Ex ib IIIC T135℃ Db	T135℃
	T6：–40℃/–50℃ ~ +45℃		
	T6：–40℃/–50℃ ~ +45℃		
Ex d Ⅱ B T4 Gb	–40℃ ~ +80℃	Ex db IIB/IIC T4…T6 Gb, Ex tb IIIC T135℃ Db	T135℃
Ex d Ⅱ B/ Ⅱ C T4…T5 Gb	–40℃ ~ +60℃		
Ex db IIB/IIC T4…T6 Gb	–40℃ ~ +45℃		

Switch Type:
NJ2–V3–N × 2 :Inductive,Active 8V · DC，Intrinsic safety parameters:Ui: 16V Ii:52mA Pi:169mW Ci:40nF Li:50uH;
SN3,5–SN × 2: Inductive,Active)8V · DC，Intrinsic safety parameters:Ui: 16V Ii:52mA Pi:169mW Ci:40nF Li:50uH;
Switch × 2: Mechanical),0.1A 24V · DC，Direct;5A 220V · AC Communication
Associated equipment): KFD2–SR2–2.W.SM(ia) (Isolated Safety Barrier)
Executive Standard): Q/CY 94–2020,GB3836.1–2010,GB3836.2–2010,GB3836.4–2010
Number of Terminals): 8P
(Electrical Interface): 2–M20 × 1.5、2–NPT1/2、2–NPT3/4
Indication Position): On – Green;Off ––– Red)
Evels of Protection: IP67