

溜槽堵塞开关 Chute Switch

能及时的防止皮带输送线的混乱状态发生。

The confusion of the conveyor line is quickly controlled.



ELPP-22D



溜槽堵塞开关是皮带输送机上不可缺少的安全开关。溜槽被输送物堵塞时立刻输出报警信号，立即停止皮带输送机。溜槽堵塞可引起输送物料的堆积或输送机皮带的损坏以及火灾发生，但溜槽堵塞开关可预防这些事帮发生。所以可预防因紧急停止皮带输送线所引起的输送系统的混乱。

The Chute Switch is a safety switch vital to belt conveyors. When a transport material clogs a chute, the Chute Switch stops instantly the belt conveyor installed the chute by sending out an alarm signal.

The clogging of chutes may cause such trouble as piling with a transport material, damage to a conveyor belt, and a fire; but the Chute Switch prevents them previously. Accordingly, you can control quickly the confusion of belt conveyor lines caused by an emergency stop.

特 長

● 结构简单动作准确

溜槽堵塞开关由摆动形检测板和限位开关组成，安装在溜槽侧壁已开好的长方形口上。当溜槽被输送物料堵塞时，检测板将向外侧倾斜，此时限位开关就会动作。

● 在恶劣环境下也可使用

因使用防尘轴承，即使有灰尘覆盖也不会影响检测板的动作。还有为了防止因结冰引起的事故发生，可选择利用接近开关型和非接触开关型的检测板。

● 检测动作力可调整

检测板前端的检测感度可调整到9.8N~14.7N。因此溜槽堵塞开关能够检测出输送物料的颗粒由小到块体，所以广泛用于皮带输送线上。



Feature

● Simple construction, assured operation

The Chute Switch consists of a detecting plate of swing type and a limit switch, and is so made that it is installed on the chute wall cut out an oblong hole. The limit switch acts when the detecting plate sways outside with the transport material that clogs the chute.

● Applicable under bad environment

The detecting plate hung with dust-proof bearings swings smoothly even if dust adheres. To prevent trouble caused by dew condensation, a proximity switch type are also available as options.

● Adjustable detecting force

The detecting force is adjustable from 9.8N to 14.7N at the tip of detecting plate. Therefore, the Chute Switch is applicable to belt conveyor lines that cover a wide range from small grains to lumps.

设计说明

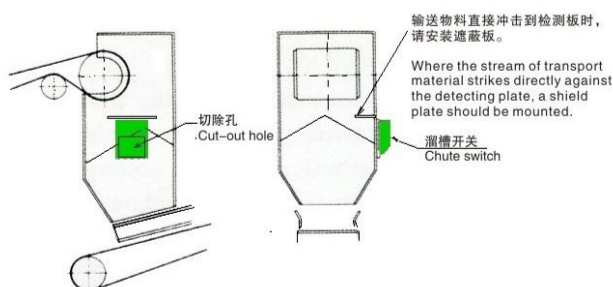
SPECIFICATIONS

形式 TYPE	ELPP-22D	ELPP-22DEX ※2
保护构造 ENCLOSURE	防尘形IP55 Dust-proof	本质安全防爆相当 Exiallc Equivalent to Intrinsic Safety Exiallc
检测动作力 DETECTING FORCE	※1 9.8N~14.7N 检测版前端 9.8N~14.7N at tip of detecting plate	
接点 CONTACTS	Ia Ib 接点 NO contact, NC contact	EB3C型安全栅输出 ※3 Ia接点 EB3C type Relay Barrier output(3)N.O. contact
接点容量 CAPACITY	250V AC 5A(感应负荷) Contact capacity, 250V AC 5A(Inductive load)	EB3C型安全栅输出 250V AC 3A(电阻负荷) EB3C type Relay Barrier output 250V AC 3A (resistance load)
涂装色 COATING COLOR	色 标 7.5 GY 6/10 Munsell: 7.5 GY 6/10	
质量 MASS	11kg	
复位动作 RESET ACTION	自动复位 AUTO-RESET	

- * 1: 输送物料的比重小
(约0.8g/cm³以下)
以及溜槽的尺寸小的情况下,
因检测力度强,
有可能产生动作的不稳定。
When the density of material is low
(0.8g/cm³) or the chute is small, it may
cause unstable performance. Please
consult with us.
- * 2: 和EB3C型安全栅组合
In combination with EB3C type Relay
Barrier
- * 3: EB3C型安全栅的电源为AC100~
240V 50/60Hz
EB3C type Relay Barrier power source:
AC100~240V 50/60Hz

举例说明安装方法

INSTALLATION EXAMPLE



左图示意图为中转溜槽的举例说明。
使用在自动式时, 为了防止因物料惯性冲击产生的错误动作,
安装在与动作方向平行的侧壁上。

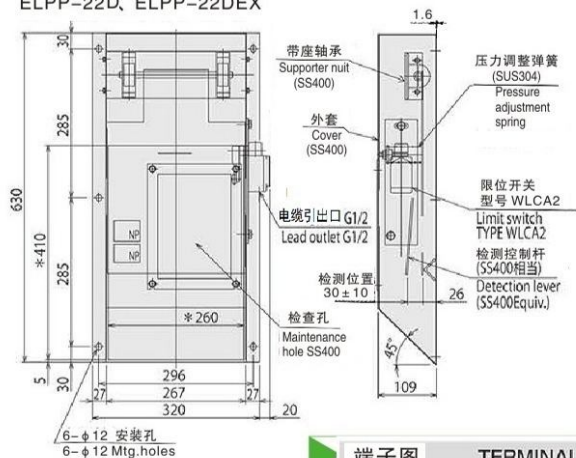
The diagram illustrated left shows an example of
installation to a chute.

Where used to a traveling tripper, the Chute Switch
should be installed on the side wall parallel to the
traveling direction to prevent the erroneous action
caused by inertia.

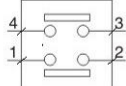
外形图

DIMENSION DIAGRAM inmm

ELPP-22D、ELPP-22DEX

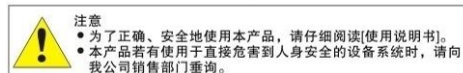


端子图 TERMINALS



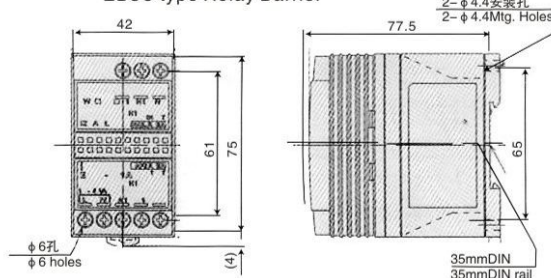
* 的数值指的是溜槽壁孔的尺寸。
The figures in parentheses show
cut-out dimensions of chute wall.

※本质安全型和EB3C型安全栅构成组合。
Intrinsic Safety type is in combination with EB3C type Relay Barrier.
本质安全型 根据限位开关 (形式: WL01CA2) 变更。
Limit Switch of Intrinsic Safety type is WL01CA2, different from ELPP-22D

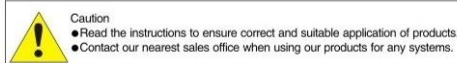
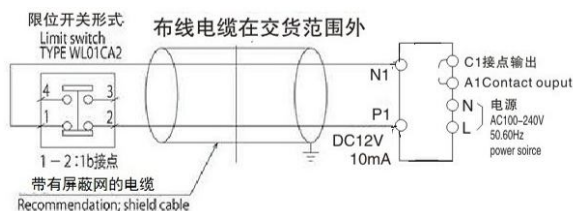


* 对记载内容在没有事先告知情况下的变更, 敬请原谅。

EB3C型安全栅
EB3C type Relay Barrier



接线图 CONECTING DIAGRAM



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