

6.1 耐壓防爆型靜電接地系統 GROUNDING SYSTEM SM SERIES



防 爆 等 級: <i>Type of protection</i>	II 2 GD EEx d IIB+H2 - T6
適 用 指 令: <i>Conformity</i>	Direttiva 94/9/CE (ATEX)
適 用 標 準: <i>Applicable standards</i>	EN 60079-0, EN 60079-1, EN60079-11 EN 61241-0, EN61241-1, EN60529
防 爆 證 書 號 碼: <i>Certificate of conformity</i>	BKI 06 ATEX 0050 IECEX BKI 06.0009
外 殼 防 護: <i>Degree of protection</i>	IP 66
適 用 周 溫: <i>Room temperature of use</i>	-20°C + 40°C
防 爆 場 所 使 用: <i>Zones of use</i>	1 - 2 - 21 - 22

此為使用於油槽連續性裝卸動作之接地控制，油槽一般都帶著靜電，而一個不完全的接地將可能因瓦斯氣體的存在而產生火花進而發生火災，此接地控制系統是由如上所描述的無銅鋁合金箱體，內置接地控制電子迴路 SM-2001 通常設定在 10ohm，以容許油槽裝卸時電阻低於 10ohm，而一個內部本質安全的屏障提供本質安全的電纜接頭連接上一接地夾。

箱體提供

- 工程塑膠防蝕紅色 LED 指示燈 (待機中)
- 工程塑膠防蝕綠色 LED 指示燈 (靜電釋放中)
- 不鏽鋼製確認接地按鈕開關 (測試)
- 全電壓 100~240VAC 50/60Hz
- 不鏽鋼纜線掛勾(選配)
- 接地偵測控制主機板,可調校電阻值
- ZENER BARRIER 安全隔離柵 (Ex-ia)
- 強力鋁合金鍍鉻本體銅導體破漆針防爆接地夾組
- 接地夾自動脫落裝置,不鏽鋼製回彈裝置
- 防爆電纜(銅鍍鎳)接頭 1/2"NPT#PA-1.XX
- 防蝕型塑鋼外殼自動收線器 2.0mmx10 米(選配)
- 中文動作標示銘牌
- 不鏽鋼門把(選配)

紅色指示燈亮起直到接地夾連結上車輛的接地棒並且壓下按鈕約 2 秒，若接地迴路測到電阻低於 10ohm，SM-2001 系統將啟動連鎖裝卸動作(乾接點)，接地夾通常會附上 10 米長線材。

They are used to control earthing continuity thanks loading and unloading operation. Thanks normally arrive electrostatically loaded, and an imperfect earthing might cause fire originated by a spark in presence of gas. The earthing control system is composed of a marine grade copper free aluminium enclosure, as above described, inside fitted with the earthing control electronic circuit SM-2001 which is normally set at 20 ohm, and authorize thanks loading/unloading when resistance is less than 20ohm. A internal intrinsically safe barrier allows the connection of an intrinsically safe cable gland to a earthing clamp.

Enclosure is provided with:

- red pilot light to signal NOT AVAILABLE
- green pilot light to signal AVAILABLE
- INSERTION push button
- Voltage 100~240VAC 50/60Hz
- ZENER BARRIER (Ex-ia) P+F

Red pilot light remain lit till clamp is connected to vehicle's earthing bar, and insertion push button is pressed for two sec.at least. If resistance measured by elect. circuit is less than 20ohm, SM-2001 system allows for loading/unloading operations. Earthing clamp is normally complete with 10m cable.