

拡張型高機能安全PLC SMX100-2

特徴

あらゆる用途に対応する高い拡張性を持ち、最大130点のI/O・12軸のドライブまで拡張が可能。基本ユニットに20I/O・14入力・3チャンネルの切断出力・リレー1出力・ノーマル6出力を搭載



223種類の幅広い安全機能およびコマンドをライブラリとして用意
 グラフィックで直感的なインターフェースによるプログラミング
 余裕の3000ステップの大容量・高速処理（ドライブ2ms/ロジック16ms〜）
 世界初IEC/EN61800-5-2規格の位置・速度監視機能に完全準拠
 監視エリア設定によりエリア内の安全監視・安全速度のレンジ設定に対応
 増設ユニットの接続により最大130点のI/O・12軸のドライブまで増設可能
 フィールドバス拡張ユニットを用意（Profibus/Profinet/DeviceNet/Ethernet-IP/EtherCATなど）
 背面プラグ接続により省スペースな増設を実現
 テストパルス出力による接続機器モニター機能・幅広い状態監視機能
 7セグLEDによるステータスマニター機能
 開始・終了・リセットを前面ボタンで操作可能

技術データ	
安全特性	
パフォーマンスレベル (EN13849)	Pl e
PFH (危険側故障率) /アーキテクチャ	6.0 x 10 ⁻⁹ /アーキテクチャ Class 4
SIL (EN61508 安全度水準)	SIL 3
ブルーテスト間隔	最大適用期間 20年
一般仕様	
最大増設ユニット接続数	6
増設インターフェース	Tバスコネクタ (背面) /SMX51バス拡張モジュール
安全デジタル入力	14点 (8点のOSSD含む)
安全デジタル入出力 (ソフト切替)	20
安全デジタル出力	2
安全アナログ入力	なし
安全リレー出力	1
ノーマル・デジタル出力	6
テストパルス出力	2
コネクタ形状	着脱式ヨーロッパ端子
電気仕様	
電源電圧・電流	24VDC / 2A
許容電圧 (供給電圧に対して)	-15% / +20%
消費電力	最大3.2W
デジタル入力定格	24VDC / 20mA EN61131-2 EN61131-2 タイプ1 準拠
デジタル出力定格	24VDC / 250mA
リレー出力定格	24VDC / 2A または 230VAC / 2A
テストパルス出力定格	最大250mA
保護ヒューズ定格	最大2A
環境仕様	
動作温度	0 - +50 °C
保管温度	-10 - +70°C
保護構造	IP52
耐候クラス	DIN 50178 クラス3 準拠
EM I	EN55011 および EN61000-6-2 準拠
機械構造	
寸法	100 x 115 x 160
重量	690g
設置	DINレール取付
端子面積	1.5mm ²

ピンレイアウト

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