

## Intelligent DC 24 V Power distribution systems

Availability is of the essence in production. Diagnostic capability and remote serviceability of the entire control and field level play the decisive part besides the energy management. DC 24 V control circuits are a major area. Their diagnosis often means a huge challenge for many companies.

The solution: **ControlPlex® Board**

with **PROFIBUS, PROFINET** and **IO link** interfaces

**PROFIBUS**<sup>®</sup>

**PROFINET**<sup>®</sup>



**IO-Link**

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**Intelligent DC 24 V  
Power distribution systems**  
**ControlPlex® Board**



						
SVS	SVS24-08-001	SVS16-xx	SVS201-PWR	SVS201-PWR	SVS201-PWR	SVS201-PWR
interface module	SIGMO-24-001	Integral	CPC10Px-T1	CPC10Px-T4	CPC10Px-T4	CPC10IO-S1
<b>Electronic circuit protectors</b>						
REF16-S114	•					
ESX10		•				
ESX10-S		•				
ESX50D-S100			•	•	•	•
ESX50D-S110			•	•	•	•
<b>Solid state relays</b>						
E-1048-7xx		•				
<b>Interfaces</b>						
IO-Connect (3 wire)	•					
PROFIBUS-DP (PB)		•	•	•	•	
PROFINET (PN)		under preparation	•	•	•	
EtherNet/IP (EN)		under preparation		in planning stage		in planning stage
EtherCAT (EC)		under preparation		in planning stage		in planning stage
Modbus-TCP (MB)		under preparation		in planning stage		in planning stage
IO link (IO link)						•
USB						•
<b>Power distribution systems</b>						
max. 8-way	•	•	•	•	•	•
max. 16-way		•	•	•	•	•
max. 24-way		•	•	•	•	•
<b>Operating software</b>						
GP-Tools			•	•	•	•
CP-Views (USB)			•	•	•	•
<b>Status / cyclical</b>						
ON / OFF / error	•	•	•	•	•	•
Wire break		E-1048-7xx				
Load output ON/OFF			•	•	•	•
Short circuit / overload			•	•	•	•
Overvoltage / undervoltage			•	•	•	•
Excess temperature			•	•	•	•
Limit value current			•	•	•	•
Event			•	•	•	•
<b>Control / cyclical</b>						
ON/OFF / reset	•	•				
Release (prerequisite for function *1)			•	•	•	
Load output ON/OFF (*1)			•	•	•	•
Reset (*1)			•	•	•	•
<b>Measuring values</b>						
Load current				cyclical	cyclical	cyclical
Load voltage				cyclical	cyclical	non-cyclical
<b>Parameters / non-cyclical</b>						
Type			•	•	•	•
Current rating			•	•	•	•
Switch-on behaviour			•	•	•	•
Overload disconnection (105 - 135%)			•	•	•	•
Trip time at overload (50 - 10,000 ms)			•	•	•	•
Trip time at short circuit (50 - 1000 ms)			•	•	•	•
ON delay (50 - 2,500 ms)			•	•	•	•
Limit value load current (50 - 100%)			•	•	•	•
Hysteresis of limit value (5 - 20%)			•	•	•	•
<b>Control / non-cyclical</b>						
Reset error memory			•	•	•	•
Trip counter Reset			•	•	•	•
Delete bar chart			•	•	•	•
Reset factory settings			•	•	•	•
<b>Unit information / non-cyclical</b>						
Error memory			•	•	•	•
Trip counter / Reason for trip			•	•	•	•
Temperature / Operating voltage			•	•	•	•
Bar chart			•	•	•	•
Serial number			•	•	•	•
Hardware / software version			•	•	•	•
<b>Event signal / non-cyclical</b>						
Waiting for parameterisation			•	•	•	•
Bar chart available			•	•	•	•
New current rating available			•	•	•	•
Slide switch = OFF			•	•	•	•
Error detected			•	•	•	•