

Saksham is your go-to industrial automation solution, designed to make your life easier with precision and reliability. It's simple programming and adaptable modular set-up mean you can customize it to fit your needs, while its sturdy performance in tough conditions keeps everything running smoothly. By streamlining your manufacturing processes and cutting down on downtime, Saksham helps you enhance efficiency and grow your business sustainably!



General Information

No. Of Analog Output	16 Channels
Type Of Analog Output	0/4 - 20 mA
Hardware Functional Status	From Jul22
Firmware Version	1.00.001
Firmware Update Possible	Yes
Engineering Software	Codesys V3 5 Sp 19 And Above
Mounting	Base Unit TBUS-PPPPPPP

Isolation & Protection

Galvanic Isolation	Yes
Galvanic Isolation Group	16 Group
Channel In One Group	1 Channel
Output Short-Circuit protection	Yes, For Each Channel
Output Over Current Protection	Yes (40 mA)

Power Supply

Power Supply From	Top Side De Coded Plug In Screw Terminal
Normal Supply Voltage	24 Vdc
Low Supply Voltage	21.6 Vdc
High Supply Voltage	26.5
Reverse Polarity Protection	Yes
Maximum Current	320 mA
Current Per Channel Permissible	21.5 mA
Power Loss	0.245 W
Load Resistance	500 Ω , Max

Range

Output Range	0-20 mA
Output Range	4-20 mA
Range	Scalable

Oscillation Time

Resistive Load	0.5 ms
Capacitive Load	1 ms
Inductive Load	1 ms

Connection Of Actuator

Two Wire Connection, Current O/P	Yes
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Configuration In Running

Parameterization In Run	Yes
Calibration In Run	Yes

Hardware Configuration

Automatic Encoding	No
Mechanical Coding Element	Yes

Error

Linearity Error	0.01% (Input Range)
Operational Error	0.5%(Input Range)
Basic Error	0.3% (Input Range)
Substitute Value Can Applied	Yes
Crosstalk Between Outputs	-50db

Alarm

Diagnostic Alarm	Yes
Limit Alarm	Yes

Diagnostic

Function Of Diagnostic	Available
Diagnostic Alarm	Yes
Module Fuse Blown Indication	Yes

Diagnostic Messages

Wire-Break	No
Short Circuit	No
Channel Diagnostic	No

LED

Power Of Indication	Yes
Channel Status	No
Channel Diagnostics(Wire Break Joint)	No
Module Diagnostics (Back Plan Comm)	Yes

Potential Seperation

Seperation Between Channel	Yes (Group Isolation)
Seperation Between Backplane	Yes
Seperation Between Channel And System Power Supply	Yes
Insulation Tested With	500 VDC

Ambient Condition

Horizontal Installation	Min 0 Degree Celcius
Horizontal Installation	Max 60 Degree Celcius
Vertical Installation	Min 0 Degree Celcius
Vertical Installation	Max 60 Degree Celcius

Connection

Field Connection	37 Pin D_Sub Connector
Power Connection	5 Pin Pheonix Plug In Connector (D-Coded)

Other Information

Cable Length Max.	500 MTR. Max Of SQMM Cable, Shielded
Address Space Per Module	32 Bytes
Dimention (W x H x D)	25 x 122 x 115
Weight	100g Approx

Enviornmental Protection

Conformal Coating	G1, G2 and G3
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