

SIL NOTES (Superseeding Sheet 2 Notes)

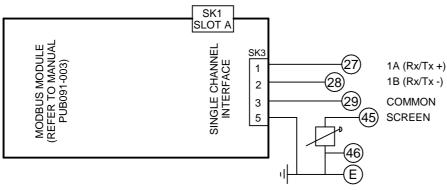
Independently Certified to IEC61508-2 (2010) as an element suitable for use in safety related systems up to and including SIL 2 (1001) and SIL 3 (1002). Must be installed, commissioned, tested and operated fully in accordance with the Safety Manual. Refer to SIL Safety Manual - PUB002-110

SIL STAYPUT (Safety Function 1): The control signal must be applied to terminal 34 before an open or closed control signal will operate the actuator. This is a high demand safety function, actuator will not move spuriously.

The SIL STAYPUT function is not applicable for LOCAL control.

-	<u>Date</u> 141221	Revision Details First Issue.	www. <b>rot</b>		IQ SIL STAYPUT SINGLE PHASE + SINGLE CHANNEL MODBUS MODULE.		
			BATH, BA1 3JQ ENGLAND	ROCHESTER	Drawn by: PMJ Date : 141221 Base WD: 120M2030 Job No : MI No :	120112000   1	Sheet 1 of 2

# **SLOT A**



PASSIVE TERMINATION CONTROLLED VIA SETTING IN ACTUATOR CONFIGURATION. REFER TO PUB002-040

MODBUS RS485 SIGNAL LINES REQUIRE EXTERNAL ACTIVE BIASING TO BE PROVIDED AT ONE LOCATION FOR THE WHOLE BUS SEGMENT. REFER TO PUB091-004.

## **NOTES**

- -PS1 is a self-resetting fuse.
  -Refer to publication PUB002-039 for approved fuses FS1 and FS2.
- -Actuator rated voltage specified on nameplate. Voltage tolerance +/-10%, applies for rated torque performance; duty cycle is not guaranteed.

### 2.REMOTE CONTROL:

- -For typical remote control circuits refer to:
  -RWS indicated or PUB002-041.
- -For DC and AC control, connect -ve/0V to terminal 36.
- -(For negative switch / positive common, refer to RWS indicated).
- -Control signal threshold voltages:
- -DC: "on" ≥16Vdc / "off" ≤8Vdc, max 60Vdc. -AC: "on" ≥60Vac / "off" ≤40Vac, max 120Vac.
- -Control signal duration to be 300ms minimum.
- -Maximum current drawn from remote control signals is:
- -8mA at 24Vdc or 12mA at 120Vac.
- -Supply provided on terminals 4 & 5:
- -Intended for remote control.
- -Max external load 5W at 24Vdc / 5VA at 120Vac

### 3.INDICATION:

- -For typical position, status and alarm indication see PUB002-041. -"S" contacts are user configurable and are shown in their default
- -Refer to PUB002-040 for functions and configuration instructions. -Monitor Relay indicates actuator availability for remote control (shown "unavailable"). It can be configured to exclude local/remote selection.
- -Refer to PUB002-040 for monitored functions and configuration instructions.
- -Voltage applied to indication contacts must not exceed 150Vac -Individual Switch current must not exceed 3.5A inductive, 5A resistive and no more than 8A in total for all 4 contacts.

- -Battery maintains local and remote "S" contact indication only.
- -Refer to installation manual for approved replacement battery types.

Circuit Diagram Number 120M2030