

- ✂ **Eight digital channels**
- ✂ **Line powered**
- ✂ **Low power consumption**
- ✂ **Small size**
- ✂ **Programmable address**



DESCRIPTION

The eight-channel digital transmitter type SILBUS8163 is a small line powered SILBUS transmitter capable of transmitting the status of eight voltage free contacts.

The SILBUS8163 is designed for sensing the status of remote voltage free contacts such as emergency stop, pull key, belt wander, belt rip and blocked chute switches on long conveyors to name but a few.

The transmitter is line powered from the two-wire SILBUS network cable that reduces installation and cabling costs.

The applications of the SILBUS8163 are not limited to conveyor installations but include any situation where the status of a remote switch contact or relay contact is required to be monitored.

Because of its low power consumption many eight channel digital transmitters type SILBUS8163 can be connected to a SILBUS network.

The SILBUS8163 can be conveniently configured to any valid SILBUS channel using the battery powered programmer type GAP1605.

The SILBUS8163 eight channel digital transmitter is provided with either a connector and flying leads to allow direct wiring within the panel or switch compartment where the switch contact is located or a convenient DIN rail mounting parking station with

screw clamp terminals. The SILBUS8163 can be easily unplugged to allow easy movement and programming during system reconfigurations such as belt extensions or retractions.

The eight channel digital transmitter type SILBUS8163 has been verified as being a SIL2 digital transmitter for use in conveyor emergency stop and remote isolation applications.

CERTIFICATION

The eight-channel digital transmitter type SILBUS8163 is IECEX certified for use in group I hazardous areas under certificate

IECEX TSA 07.0002X Ex ia I.

The eight-channel digital transmitter type SILBUS8163 is ATEX certified for use in group I hazardous areas under certificate

Nemko 07ATEX1033

The eight-channel digital transmitter type SILBUS8163 is MSHA approved under the approval number

18-ISA060002-0

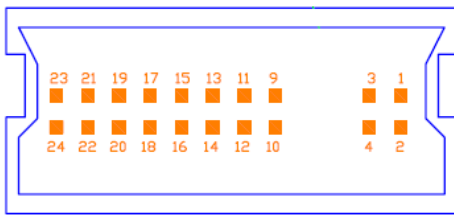
SPECIFICATION

SILBUS8163	
Name	Eight channel digital transmitter
Type	8163 or SILBUS8163
Power supply	SILBUS line powered
SILBUS network current	375uA
Contact input	Voltage free contact only
Contact current	23uA per contact
Contact voltage	2.5V
Address range	Any valid SILBUS address between A1 and P8
Size	57.5mm (L) x 36mm (W) x 16.4mm (D) (2.26"(L) x 1.41" (W) x 0.64" (D))
Mass	80g (0.17lbs)

SAFETY DATA

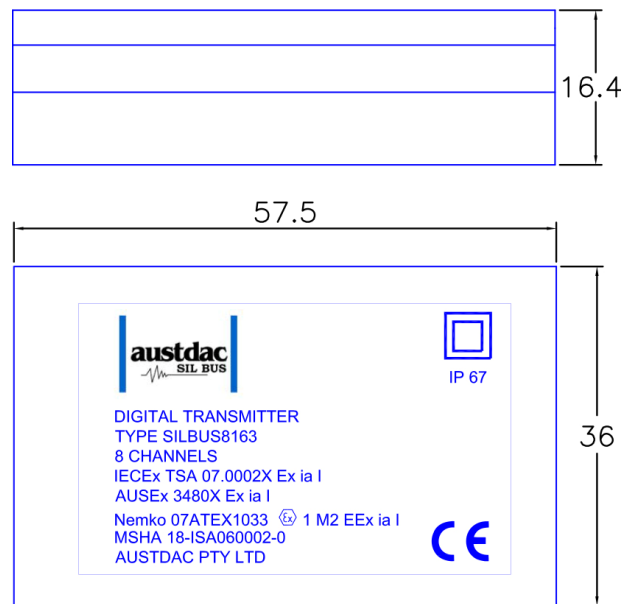
SFF	≥ 90%
Λ_{SAFE}	1.3×10^{-7} / hr
$\Lambda_{DANGEROUS}$	1.4×10^{-8} / hr

CONNECTION DIAGRAM



Pin	Function
1	Silbus Signal
2	Silbus Common
3	N/C
4	N/C
9	Input 8
10	GND
11	Input 7
12	GND
13	Input 6
14	GND
15	Input 5
16	GND
17	Input 4
18	GND
19	Input 3
20	GND
21	Input 2
22	GND
23	Input 1
24	GND

DIMENSIONS



ORDERING DETAILS

DESCRIPTION	ORDER CODE
EIGHT CHANNEL DIGITAL TRANSMITTER TYPE SILBUS8163	SILBUS8163
CABLE HARNESS FOR DIRECT CONNECTION TO SWITCH CONTACTS (ACCESSORY)	CABL80
DIN RAIL MOUNTING PARKING STATION WITH SCREW TERMINALS (ACCESSORY)	D8084TPS08



AUSTDAC PTY LTD

HEAD OFFICE: CASTLE HILL AUSTRALIA
MACKAY QLD AUSTRALIA BRANCH
NORTH AMERICA BRANCH
STAFFORDSHIRE UK BRANCH

+61 (0) 2 8851 5000
+61 (0) 7 4955 2777
+1 888 254 9155 (Toll Free in US and Canada)
+44 (0) 1283 500 500

