

007 Switchbox**Model Range**

Models of the 007 Switchbox containing only voltage free (VF) contacts are designated as follows:

Model No. SM020D-IEC

No indicator or indicator $\leq 20\text{cm}^2$ surface area

Ex ia IIC T6 Gb $(-20^\circ\text{C} \leq T_a \leq +60^\circ\text{C})$

Ex tb IIIC T85°C Db IP6x $(-20^\circ\text{C} \leq T_a \leq +60^\circ\text{C})$

VF Contact: $U_i = 28\text{V}$ $I_i = 120\text{mA}$ $P_i = 1.3\text{W}$ $C_i = 0$ $L_i = 0$

Models of the 007 Switchbox containing only proximity sensors are designated as follows:

Model No. SF020D-IEC

No indicator or indicator $\leq 20\text{cm}^2$ surface area

Ex ia IIC T6 Gb $(-20^\circ\text{C} \leq T_a \leq +70^\circ\text{C})$

Ex tb IIIC T85°C Db IP6x $(-20^\circ\text{C} \leq T_a \leq +70^\circ\text{C})$

Each Sensor: $U_i = 15\text{V}$ $I_i = 50\text{mA}$ $P_i = 0.12\text{W}$ $C_i = 145\text{nF}$ $L_i = 340\mu\text{H}$

Model No. SP020D-IEC

No indicator or indicator $\leq 20\text{cm}^2$ surface area

Ex ia IIC T5 Gb $(-20^\circ\text{C} \leq T_a \leq +57^\circ\text{C})$

Ex tb IIIC T100°C Db IP6x $(-20^\circ\text{C} \leq T_a \leq +57^\circ\text{C})$

Ex ia IIC T6 Gb $(-20^\circ\text{C} \leq T_a \leq +42^\circ\text{C})$

Ex tb IIIC T85°C Db IP6x $(-20^\circ\text{C} \leq T_a \leq +42^\circ\text{C})$

Each Sensor: $U_i = 15\text{V}$ $I_i = 50\text{mA}$ $P_i = 0.12\text{W}$ $C_i = 150\text{nF}$ $L_i = 550\mu\text{H}$

Model No. ST020D-IEC

No indicator or indicator $\leq 20\text{cm}^2$ surface area

Ex ia IIC T6 Gb $(-20^\circ\text{C} \leq T_a \leq +70^\circ\text{C})$

Ex tb IIIC T85°C Db IP6x $(-20^\circ\text{C} \leq T_a \leq +70^\circ\text{C})$

Each Sensor: $U_i = 20\text{V}$ $I_i = 60\text{mA}$ $P_i = 0.08\text{W}$ $C_i = 250\text{nF}$ $L_i = 350\mu\text{H}$

Models of the Low Temperature 007 Switchbox containing only voltage free (VF) contacts are designated as follows:

Model No. SLM020D-IEC

No indicator or indicator $\leq 20\text{cm}^2$ surface area

Ex ia IIC T6 Gb $(-50^\circ\text{C} \leq T_a \leq +60^\circ\text{C})$

Ex tb IIIC T85°C Db IP6x $(-50^\circ\text{C} \leq T_a \leq +60^\circ\text{C})$

VF Contact: $U_i = 28\text{V}$ $I_i = 120\text{mA}$ $P_i = 1.3\text{W}$ $C_i = 0$ $L_i = 0$

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ANNEX to IECEx BAS 10.0088

Issue No. 0

Date: 2010/09/13

Models of the Low Temperature 007 Switchbox containing only proximity sensors are designated as follows:

Model No. SLF020D-IEC

No indicator or indicator $\leq 20\text{cm}^2$ surface area

Ex ia IIC T6 Gb ($-40^\circ\text{C} \leq T_a \leq +60^\circ\text{C}$)

Ex tb IIIC T85°C Db IP6x ($-40^\circ\text{C} \leq T_a \leq +60^\circ\text{C}$)

Each Sensor: $U_i = 15\text{V}$ $I_i = 50\text{mA}$ $P_i = 0.12\text{W}$ $C_i = 150\text{nF}$ $L_i = 150\mu\text{H}$

Model No. SLT020D-IEC

No indicator or indicator $\leq 20\text{cm}^2$ surface area

Ex ia IIC T6 Gb ($-40^\circ\text{C} \leq T_a \leq +70^\circ\text{C}$)

Ex tb IIIC T85°C Db IP6x ($-40^\circ\text{C} \leq T_a \leq +70^\circ\text{C}$)

Each Sensor: $U_i = 20\text{V}$ $I_i = 20\text{mA}$ $P_i = 0.20\text{W}$ $C_i = 150\text{nF}$ $L_i = 150\mu\text{H}$

Where interconnection facilities for remote mounted intrinsically safe equipment connections are fitted, the input parameters for these terminals for all models are as follows: -

$$U_i = 30\text{V}$$

Details of these terminal arrangements including interconnections are detailed on an internal label within the equipment.