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XCSRM

Face to Face Mounting

Correct Mounting Configuration

UNINTENDED EQUIPMENT OPERATION

- The XCSRM RFID switch must always be mounted and used with respect to the
- assured sensing distances Sao and Sar: • When the guard is closed, the maximum distance between the switch and the
- actuator must be Sao.

Example 1

· When the guard is being opened and up to Sar, the protected machinery shall not present any risk of danger

Example 2

Failure to follow these instructions can result in death, serious injury, or equipment damage.

WARNING UNINTENDED EQUIPMENT OPERATION

Example 3

The switch and actuator must be installed in their definitive operational conditions (e.g. door closed) before operating the power-up.

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Wrong Mounting Configuration

Е

(() 2) () e 2 mm < e < 10 mm 2 mm < e < 10 mm 2 mm < e < 10 mm 0.07 in < e < 0.39 in 0.07 in < e < 0.39 in 0.07 in < e < 0.39 in Minimum mounting clearances between safety switches Е Е E_{min.} = 150 mm / 5.91 in **Activation distances** The following figure shows the activation distances in function of the three axis (X, Y, Z): • X axis: Sao = 10 mm (0.39 in.); Sar = 25 mm (0.98 in.) • Y axis: Sao = 5 mm (0.19 in.); Sar = 25 mm (0.98 in.) • Z axis: Sao = 5 mm (0.19 in.); Sar = 25 mm (0.98 in.) Sao = 10 mm (0.39 in.) Sar = 25 mm (0.98 in.) 0 mm OSSD1 / OSSD2 ON Hysteresis Hr ≤ 20%. Sr Sr = 12 mm (0.47 in.) e = Recommended minimum mounting 25 distance between switch and actuator. Sr = Real switch-ON sensing distance Sao = assured operating distance Sar = assured release distance. : Transient state 1 mm = 0.039 in.

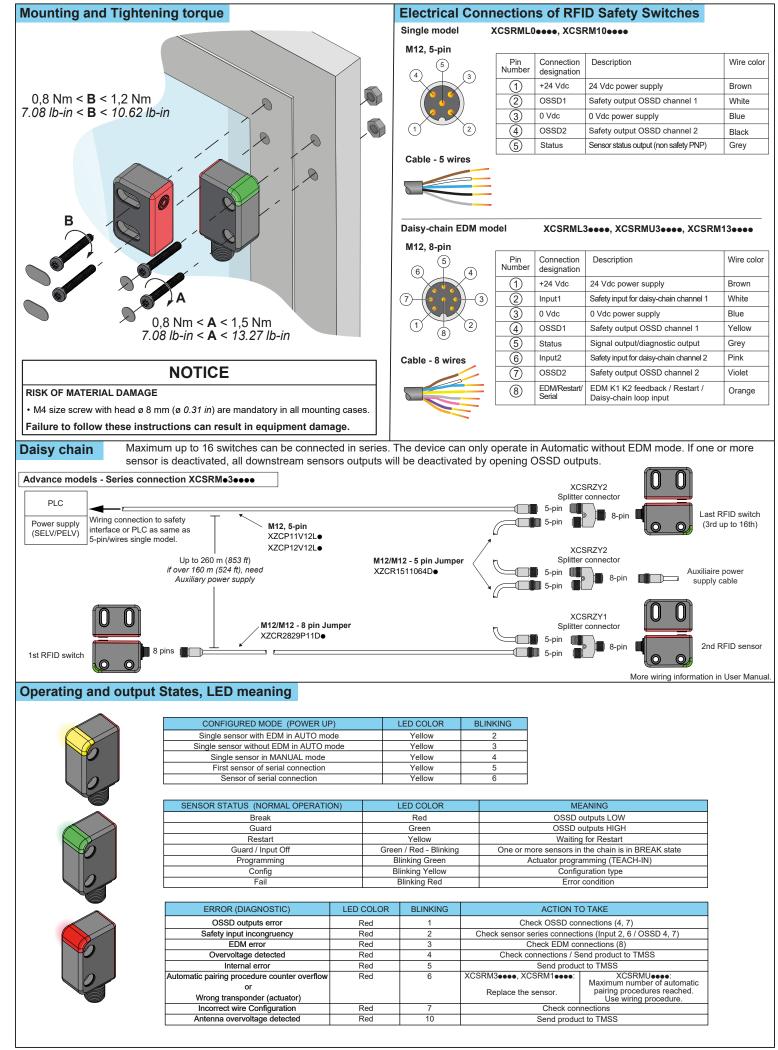
Sao, Sar, Hr values above are given without misalignment between the switch and the actuator

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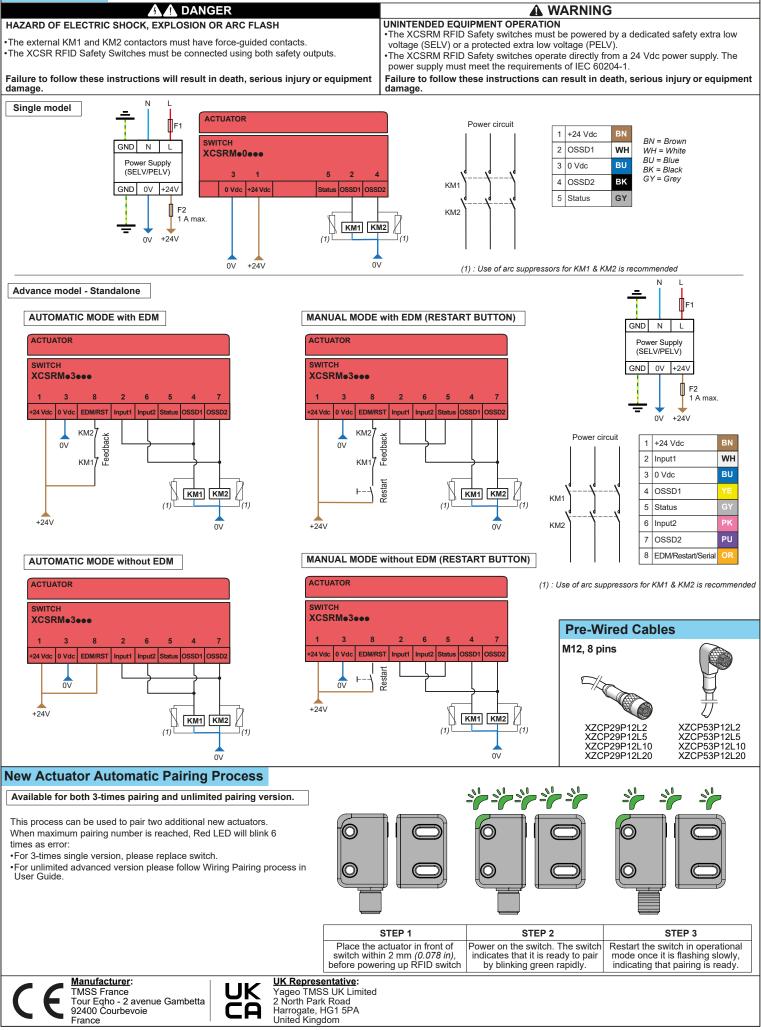
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XCSRM ••• Wiring diagram

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