

esserbus transponder IQ8FCT XS



Part-No.: 808606
Approval: VdS

The IQ8FCT XS can be used as FCT (fire control transponder) to control and monitor external fire protection devices like fire dampers or as a technical alarm module (TAL) to monitor an external contact and control external load (*).

The transponder is connected on the esserbus / esserbus-PLus loop of fire control system FlexES Control, IQ8Control and Compact.

The IQ8FCT XS provides an integrated loop isolator, contact input as well as a relay output and a connector for parallel remote LED indicator.

The module is powered by the field bus and does not require external voltage supply.

In the FCT functionality a fire control device e.g. fire damper will be connected to the relay output of the IQ8FCT XS and controlled. Via the input the end positions of this external device are monitored according to the programming with configured runtime.

In the TAL functionality an external contact can be connected and monitored via the input of the IQ8FCT XS. In case of an activation of this contact, the address and programmed additional text of the corresponding technical alarm module IQ8FCT XS will be displayed. To monitor this contact an optional monitoring module (Part No. 804870) or alternatively an external resistor combination needs to be used. Cable length to the contact can be up to 500 meters.


For external indication of activation status, a parallel remote LED indicator (Part No. 781804, 781814 or 801824) can be connected (cable length up to 100 m).


The IQ8FCT XS can be mounted in the housing of the fire alarm control panel or in a switch cabinet on a top-hat rail or in optional surface-mounted housing (see accessories).(*) To control fire protection equipment the local and regional requirements / regulations must be observed.

Features:

- Up to 127 devices per esserbus loop
- One contact input and one potential free relay output
- Connection for parallel remote indicator
- Power supply via the field bus esserbus
- Programmable impulse control for relay output
- Programmable run-time monitoring (controls of fire dampers): input as acknowledgement signal/delay: for TAL (Technical alarm) function: Unused / for FCT (Fire Control Transponder) function: 0.5 ... 600 seconds
- Programmable relay output NO/NC
- Relay outputs with programmable on/off impulse lengths (for time-limited controls)
- Contact input for monitoring fire event controls
- Integrated loop isolator
- Plug-in connection terminals
- Installation on top-hat rail

Operating voltage	14 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Operation indicator	green LED
Alarm display	red LED
Ambient temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 %
Type of protection	IP 30 (in housing)
Color	gray, similar to RAL 7035
Weight	approx. 90 g
Dimensions	W: 90 mm H: 93 mm D: 23 mm
Declaration of Performance	DoP-20792130701

 Replacement for Part No. 804869 For a standard-compliant control of fire protection equipment the FCT should be installed directly next to or in the control unit. The IQ8FCT cannot be operated on the following systems: FACP 80, System 3000 (FACP 3007/3008), FACP 8008, FACP 8000 C/M, Extinguishing System 8010 The device is supplied with power directly via the esserbus® / esserbus®-PLus. An external power supply is therefore not required.

 DIN rail housing is included

Accessories:

M200SMB	Surface mounting box for 1x IQ8FCT XS
SMB6-V0	Surface mounting housing for 6 x IQ8FCT XS
804870	Alarm and monitoring module