esserbus transponder IQ8FCT LP

Part-No.: 808621
Approval: VdS

The IQ8FCT LP (loop powered) 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 (*).
The transponder is connected on the esserbus / esserbus-PLus loop of fire control system FlexES Control, IQ8Control and Compact.
The IQ8FCT LP provides an integrated loop isolator, contact input as well as a potential free relay output, with which the mains voltage 230 V AC / 16 A can be switched directly.
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 LP and controlled. Via the input the end positions of this external device are monitored according to the programming with configured runtime.
The IQ8FCT LP is also equipped with configurable fail save functionality. If enabled, a communication loss with control panel or failure of the esserbus operating voltage results in automatic self-activation of relay output.
In the TAL functionality, an external contact can be connected and monitored via the input of the IQ8FCT LP. In case of an activation of this contact, the address and programmed additional text of the corresponding technical alarm module IQ8FCT LP 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.
The IQ8FCT LP is delivered in a robust IP 65 protected surface mount housing.(*) To control fire protection equipment the local and regional requirements / regulations must be observed.

Features:

- Intelligent fire event controls via programmable logics of the input and output of the FCT
- 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 time-limited impulse controls for relay output
- Configurable fail safe functionality for relay output
- Contact input for monitoring fire event controls
- Output switching load up to 230 V AC / 16 A
- Up to 127 devices per esserbus loop
- Power supply via the field bus esserbus-PLus
- Integrated loop isolator
- Robust IP 65 protected surface mount housing

Operating voltage	14 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Contact load relay	230 V AC / 30 V DC, 16 A ohmsche, 8 A ind. Last
Operation indicator	green LED
Alarm display	red LED
Connection terminal	max. 2,5 mm² (AWG 26-14), max. 6 mm² (AWG 30-10)
Ambient temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 %
Type of protection	IP 65
Housing	PP plastic
Color	gray, similar to RAL 7035
Weight	approx. 250 g
Dimensions	W: 150 mm H: 116 mm D: 67 mm
Declaration of Performance	DoP-20792130701

ⓘ The activation of the Fail Safe functionality needs tools 8000 from version 1.24! Replacement for Part No. 808600.230, 808600.24. 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.

Accessories:

804870	Alarm and monitoring module