



Q3 ENERGIE


GmbH & Co. KG

PV-module string disconnection with SPD

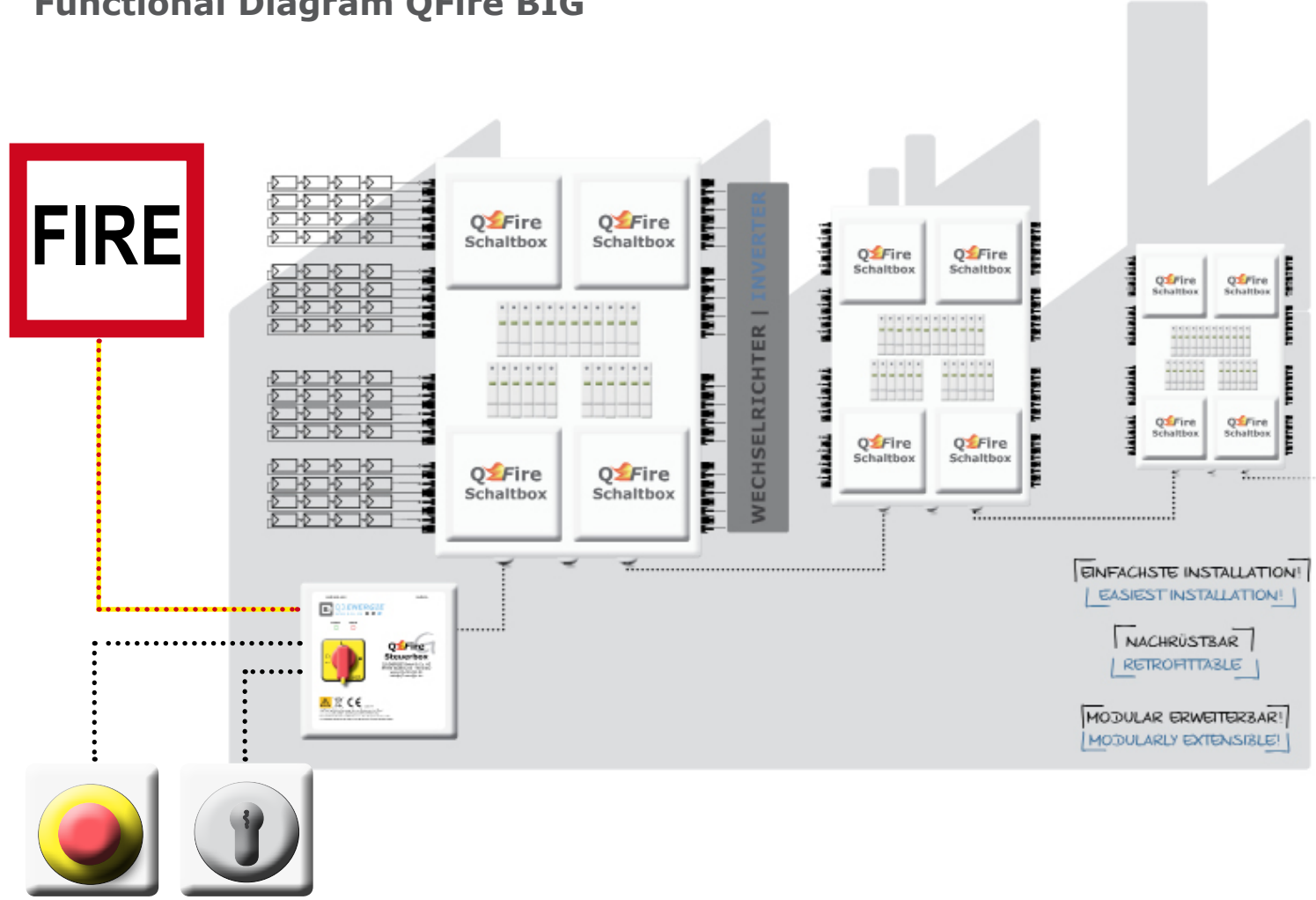
QFire BIG



AC-coupled safety circuit · easy installation · manual shutdown · retrofittable
no additional switch necessary · customized production · key switch optional

-  central emergency shutdown for PV systems, customised variants adapted to the respective system
-  suitable for fire alarm systems, can be connected to the central fire alarm
-  suitable for all modules/inverters, regardless of the manufacturer
-  plastic or metal housing, with or without surge arrester
-  status display of the surge protection

Functional Diagram QFire BIG










For individual standard set-up or project-specific for your customised application! Customised variants possible - we would be happy to realise your wishes. Simply send us your requirements, a specification or the network overview plan of your existing system.

QFire BIG 16-String Shutdown with Integrated Slave Controlbox

| | |
|---|---|
| Number of strings | for up to 16 strings/BIG Box (customised) |
| Extension | extension arbitrary cascadable |
| IP class (plastic metal) | IP64 IP44 |
| Mounting location | protected outdoor area |
| Max. system voltage per string | 1.200 VDC (other ranges on request) |
| Max. string current (Isc) | 11 A (other ranges on request) |
| Temperature range operation | -15 to +60° C |
| Connection AC side | Wieland connector |
| DC Connection | MC4 4,0 - 6,0 mm ² |
| Switching method | galvanic isolation |
| Control voltage | 12 VDC |
| Monitoring | Status LED |
| External switch | potential-free contact |
| Housing dimensions control box (L x W x H, without plug) | 175 x 175 x 75 mm |
| Housing dimensions switch box (plastic metal) | 600 x 400 x 132 mm 600 x 400 x 150 mm |
| Weight of control box | 1.055 g |
| Weight of switch box (plastic metal) | approx. 11 kg approx. 15 kg |
| Standards | CE, DIN EN 60947-3:2010-02 |
| Scope of application | large-scale systems, rooftop systems |

QFire BIG PV Module String Disconnection

-  safe disconnection of the PV generator, even in case of emergency
-  arc-free switching due to modern switching technology
-  complete set; modularly expandable as well as simple installation
-  control box can be switched on and off by an external key switch
-  AC coupled, it can therefore triggered any time via the mains
-  status via potential-free contact can be transmitted to a central fire alarm system
-  switches back on automatically after a power failure

  
MADE IN GERMANY

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We offer developments and concepts for the smart future, in the area of self-sufficient power supply, secure communication technology, intelligent sensor technology and data transmission systems and are your partner for digital solutions and innovative services in the energy sector. Our aspiration is to guarantee you a high level of quality, efficiency and safety.

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