AMFE AUTOMATIC MINI FIRE EXTINGUISHER

AMFE VARIANTS

S-AMFE / AMFE with Sensor Connections
The AMFE not only releases the extinguishing gas but also signals that it has. In installations where accessibility is limited, the AMFE can be connected to a monitoring system by two connectors for reading a signal. Permanently controlling if the AMFE has been initiated (e.g., line control through a PLC or monitoring device) allows for precise knowledge about the status of whether and where a fire might have started in an otherwise hard-to-reach installation. The S-AMFE is rated for typical PLC signals of 24V/4mA and 1000mA. The connectors are standardized (6.3mm Blade Terminals), but customizations are possible.

R-AMFE / AMFE which Can Additionally be Triggered Remotely
The R-AMFE works like a conventional AMFE, releasing the extinguishing gas when the thermobulb bursts after the activation temperature has been reached by heat (as in a sprinkler). Additionally, the R-AMFE can be remotely triggered by activating a current signal into the R-AMFE causing a fast and precise increase of the heat at the bulb, ultimately resulting in a burst of the thermobulb assembled.

THE FUNCTION
Due to rising heat in a fire scenario, the pressure inside the glass bulb increases. After the predetermined operating temperature of the heat-sensitive glass bulb is reached, the glass bulb bursts into small fragments and triggers a mechanism that releases the gas from the cylinder. The extinguishing medium is released through the holes in the outlet body and extinguishes the fire when the fire is still in an early stage. The quick operation and the effective extinguishing of the fire prevents further expansion of the fire and helps keeping damage small.

THE ADVANTAGES AT A GLANCE
- Easy to use
- Maintenance free
- Easy to install (retrofittable)
- Variety of customer-specific operating & releasing temperatures available
- No water being used (gas)
- Scalable
- Robust and shock tolerant
- Usable in various applications (home, industry, automotive, etc.)
- Mechanical release; no electrical power supply required
- Release mechanism qualified in the automotive and sprinkler industry