Product catalogue

FIRE PROTECTION

MADE IN GERMANY

T&B electronic

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FOR ALL APPLICATIONS.

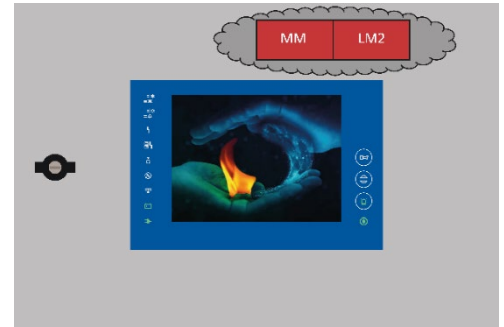www.tbelectronic.eu
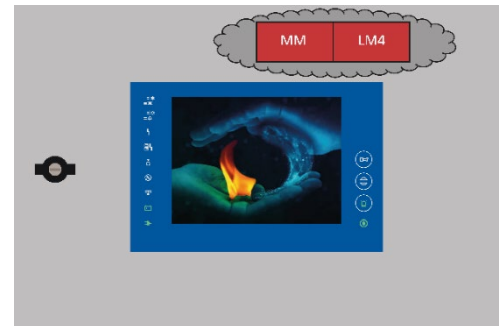
Spark detection units

SPARK DETECTION UNIT BM 6-2 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

4 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 400 x 600 x 200 mm

Protection Classification IP 55
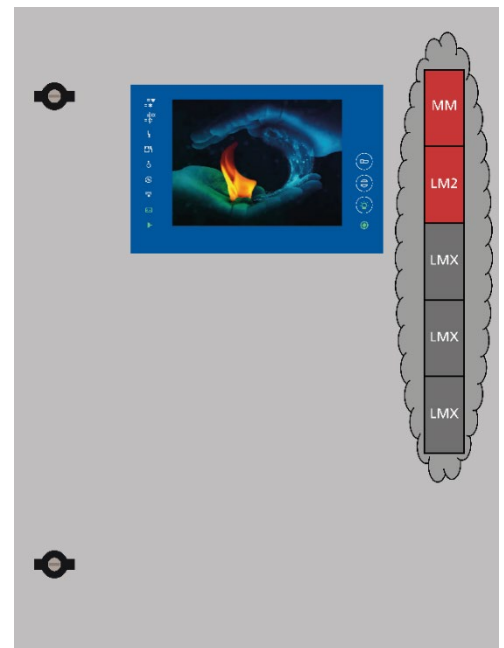
Item number: 1021700

SPARK DETECTION UNIT BM 6-4 TOUCH

Microprocessor-controlled spark alarm unit equipped for 4 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

8 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 400 x 600 x 200 mm

Protection Classification IP 55
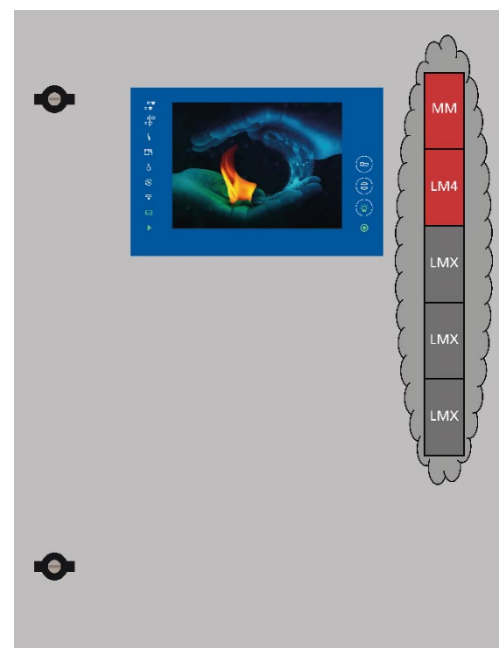
Item number: 1022700

SPARK DETECTION UNIT BM 6-16/2 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

4 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 800 x 600 x 300 mm

Protection Classification IP 55

Item number: 1023700

SPARK DETECTION UNIT BM 6-16/4 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

8 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 800 x 600 x 300 mm

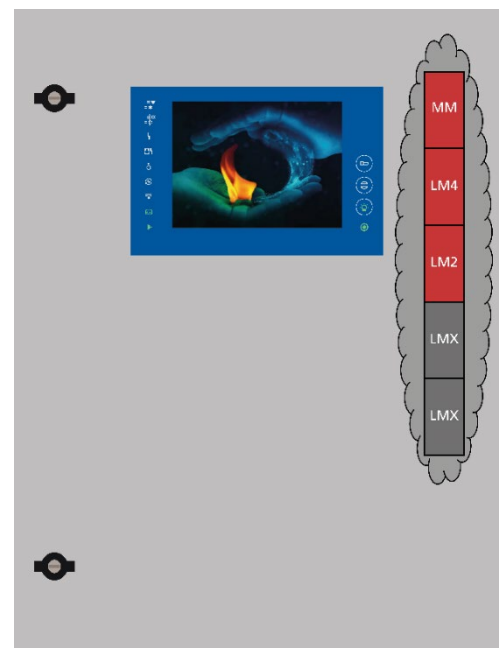Protection Classification IP 55

Item number: 1024700

SPARK DETECTION UNIT BM 6-16/6 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

12 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 800 x 600 x 300 mm

Protection Classification IP 55

Item number: 1025700

T&B electronic
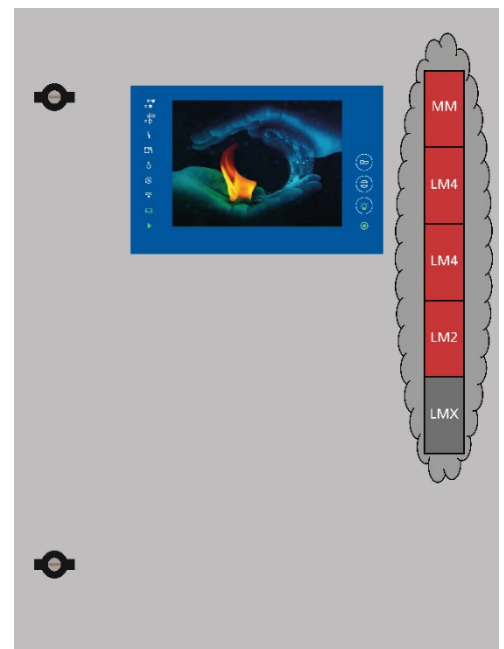WE HAVE THE RIGHT SOLUTIONS FOR ALL APPLICATIONS.

SPARK DETECTION UNIT BM 6-16/8 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

16 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 800 x 600 x 300 mm

Protection Classification IP 55

Item number: 1026700
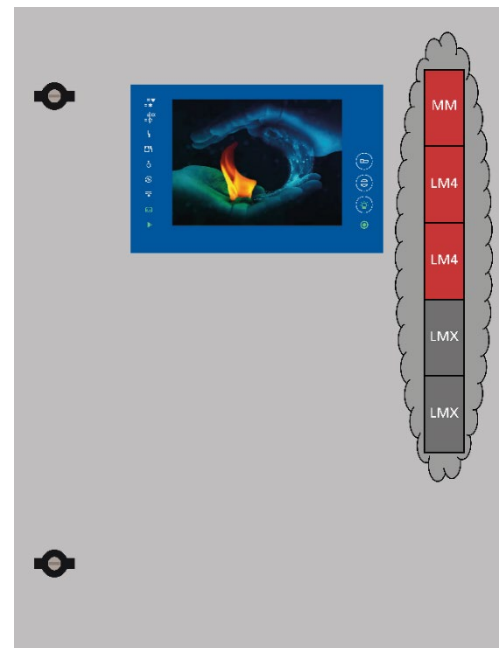
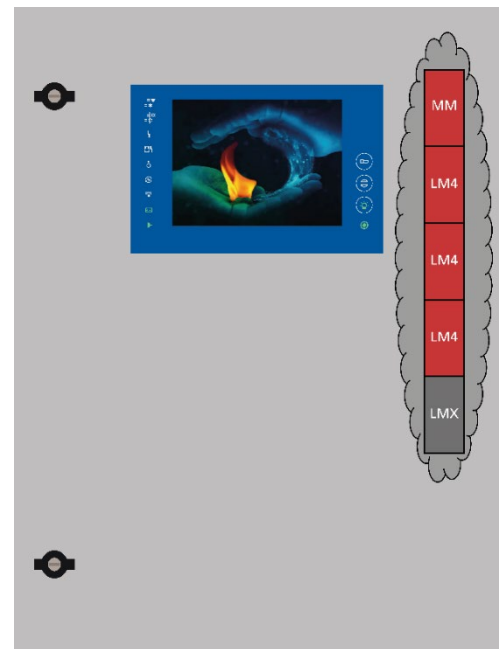## SPARK DETECTION UNIT BM 6-16/10 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

20 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 800 x 600 x 300 mm

Protection Classification IP 55

Item number: 1027700

SPARK DETECTION UNIT BM 6-16/12 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.

Option to implement PDF and video files.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.

24 free programmable relays per line.

32 languages installed, maybe switched at any time.

Optional: ProfiNet interface for data output.

Dimensions: 800 x 600 x 300 mm

Protection Classification IP 55
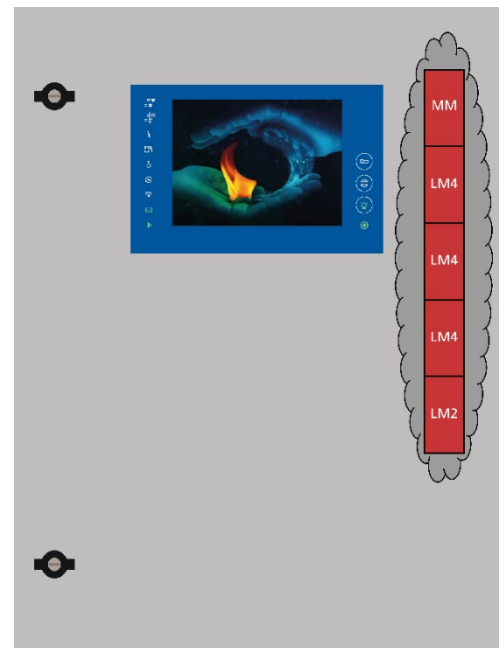
Item number: 1028700

SPARK DETECTION UNIT BM 6-16/14 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.
Option to implement PDF and video files.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
28 free programmable relays per line.
32 languages installed, maybe switched at any time.
Optional: ProfiNet interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1029700

SPARK DETECTION UNIT BM 6-16/16 TOUCH

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.
Option to implement PDF and video files.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
32 free programmable relays per line.
32 languages installed, maybe switched at any time.
Optional: ProfiNet interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1030700

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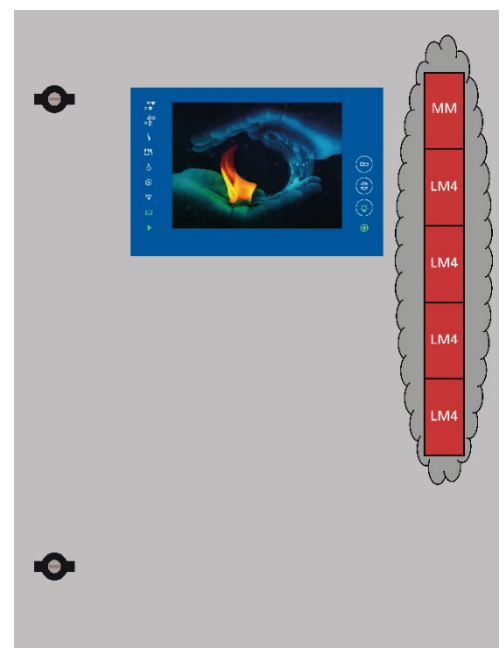
SPARK DETECTION UNIT BM 6-36/0 TOUCH

Microprocessor-controlled spark alarm unit equipped for 36 lines (no lines included, has to be equipped with modules as required).
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Intuitive touch display for visualization of alarms, number of sparks, extinguishing time, activated line.
Freestanding control panel.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
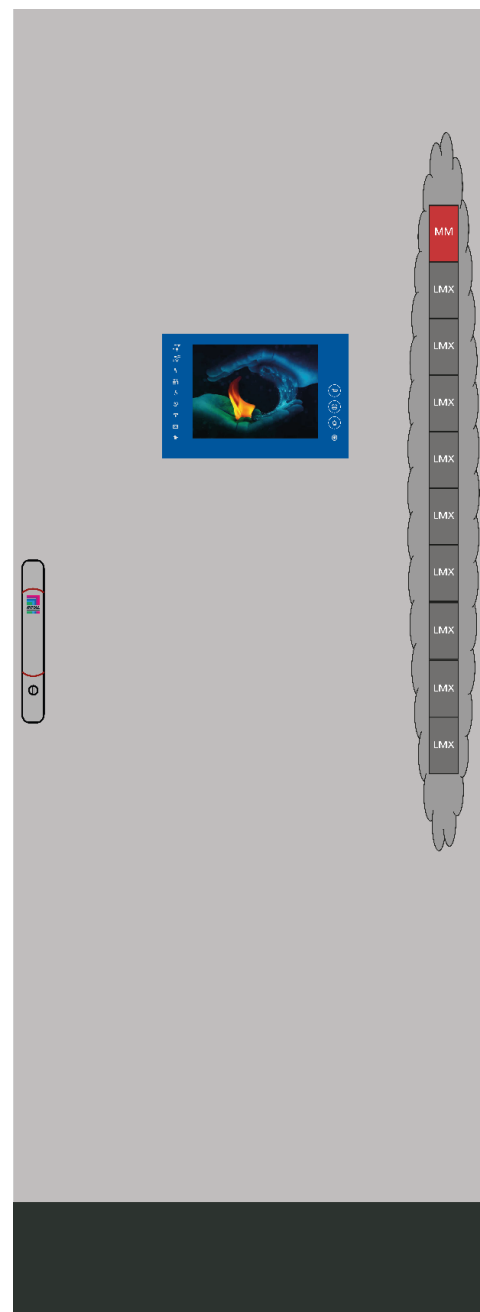72 free programmable relays.
32 languages installed, maybe switched at any time.
Optional interface for data output.
Dimension: 2200x800x600mm
Protection Classification IP 55
Item number: 1031700

EXTERNAL CONTROL AND DISPLAY PANEL BM6 TOUCH IN DESK CASE

The external control and display panel enables a spark detection unit to be operated from a remote location.
Dimensions: 403 x 290 x 150 mm
Protection class: IP 20
Item number: 1035003

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2-LINE MODULE TOUCH
To expand a BM 6-16 by 2 lines, 6 extinguishing outputs
Item number: 1035701

4-LINE MODULE TOUCH
To expand a BM 6-16 by 4 lines, 6 extinguishing outputs
Item number: 1035702

SPARK DETECTION UNIT BM 6-2
Microprocessor-controlled spark alarm unit equipped for 2 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 400 x 600 x 200 mm
Protection Classification IP 55
Item number: 1001700

SPARK DETECTION UNIT BM 6-4
Microprocessor-controlled spark alarm unit equipped for 4 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
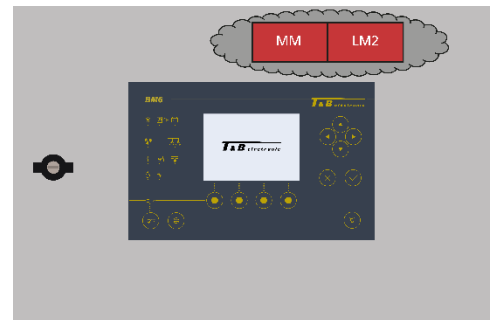2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 400 x 600 x 200 mm
Protection Classification IP 55
Item number: 1002700

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SPARK DETECTION UNIT BM 6-16/2

Microprocessor-controlled spark alarm unit equipped for 2 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
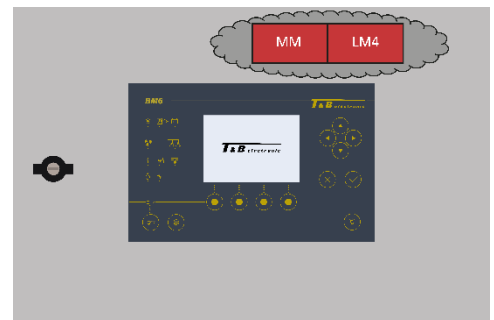2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1003700

SPARK DETECTION UNIT BM 6-16/4

Microprocessor-controlled spark alarm unit equipped for 4 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
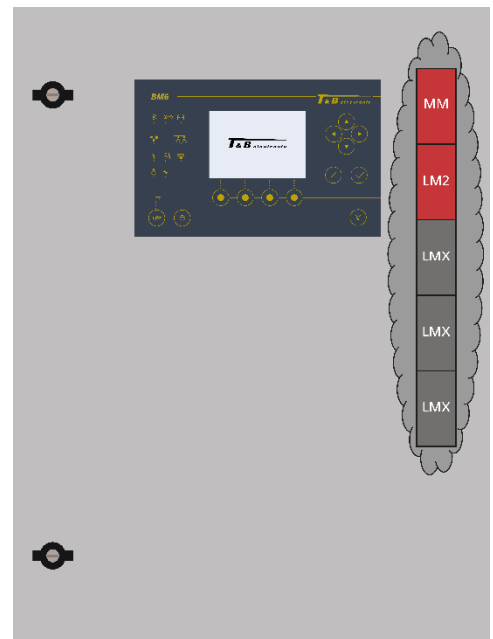2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1004700

SPARK DETECTION UNIT BM 6-16/6

Microprocessor-controlled spark alarm unit equipped for 6 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
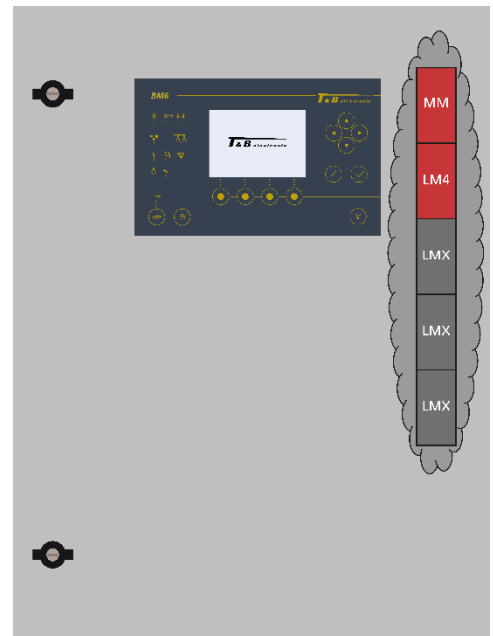2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1005700

SPARK DETECTION UNIT BM 6-16/8

Microprocessor-controlled spark alarm unit equipped for 8 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
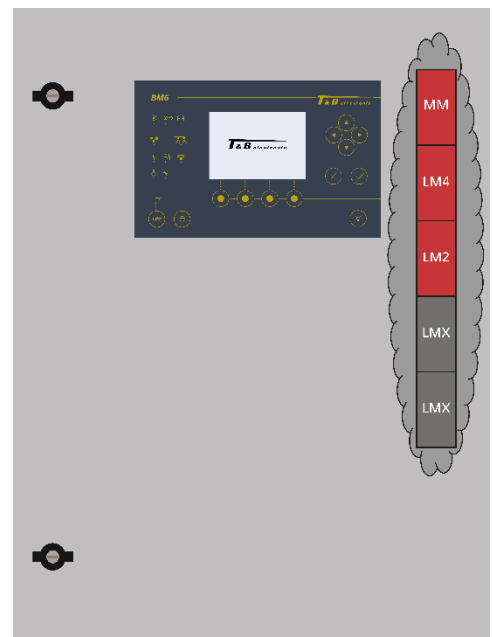2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1006700

SPARK DETECTION UNIT BM 6-16/10

Microprocessor-controlled spark alarm unit equipped for 10 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
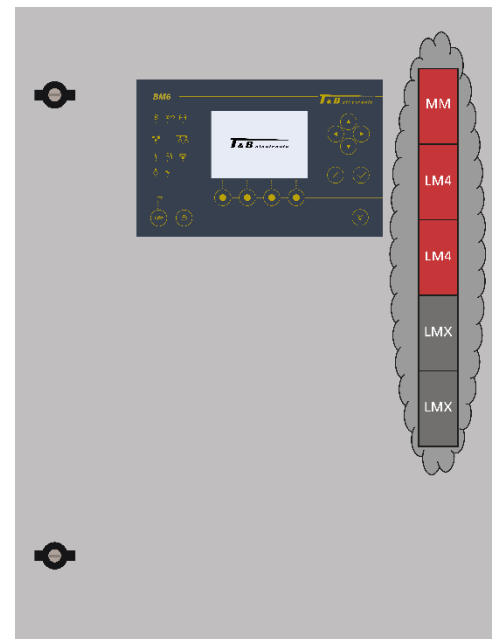2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1007700

SPARK DETECTION UNIT BM 6-16/12

Microprocessor-controlled spark alarm unit equipped for 12 lines, expandable for up to 16 lines.
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Control panel for wall mounting.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
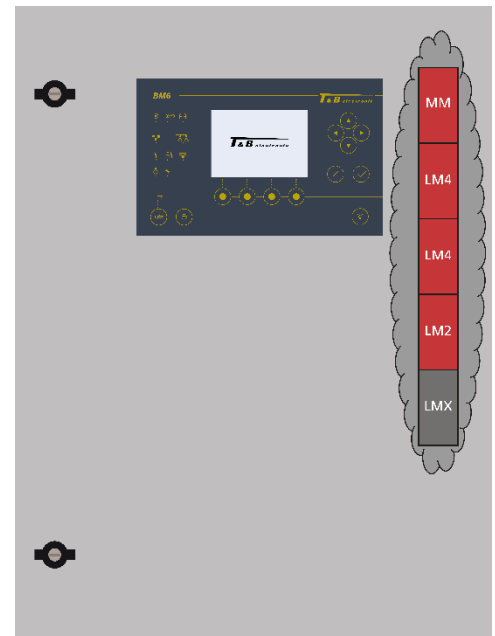2 free programmable relays per line.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Dimensions: 800 x 600 x 300 mm
Protection Classification IP 55
Item number: 1008700

Spark Detection unit BM 6-16/14

Microprocessor-controlled spark alarm unit equipped for 14 lines, expandable for up to 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Display of alarms, number of sparks, extinguishing time, activated line.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.
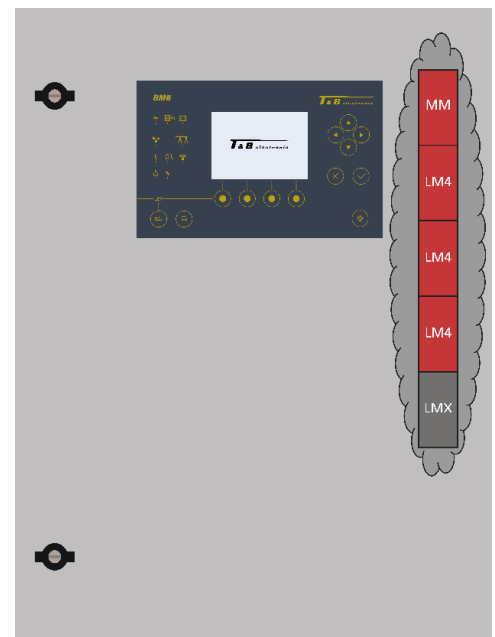
2 free programmable relays per line.

4 languages installed, maybe switched at any time.

Optional interface for data output.

Dimensions: 800 x 600 x 300 mm

Protection Classification IP 55

Item number: 1009700

Spark Detection unit BM 6-16/16

Microprocessor-controlled spark alarm unit equipped for 16 lines.

For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.

Display of alarms, number of sparks, extinguishing time, activated line.

Control panel for wall mounting.

Spark threshold programmable for activation of extinguishing system.

Log of 2500 events in the memory.

Built in emergency power supply for up to 4 hours operation.
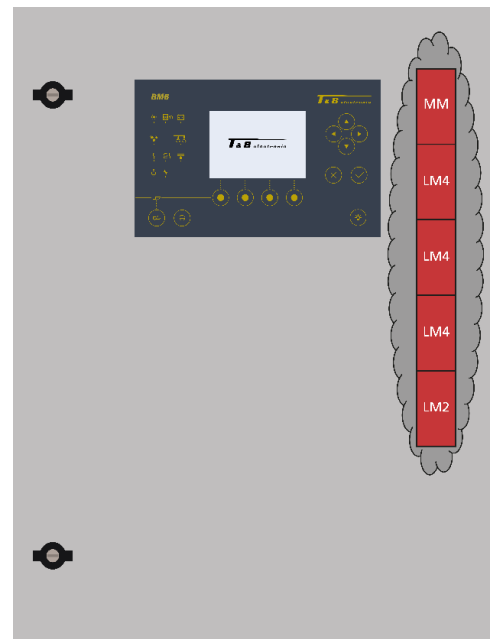
2 free programmable relays per line.

4 languages installed, maybe switched at any time.

Optional interface for data output.

Dimensions: 800 x 600 x 300 mm

Protection Classification IP 55

Item number: 1010700
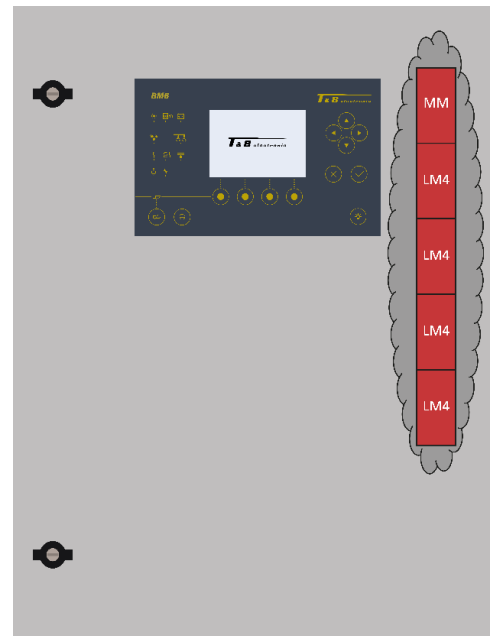
SPARK DETECTION UNIT BM 6-36/0
Microprocessor-controlled spark alarm unit equipped for 36 lines (no lines included, must be equipped with modules as required).
For connection of T&B spark detectors, smoke detectors, thermo detectors, flame detectors and manual buttons.
Display of alarms, number of sparks, extinguishing time, activated line.
Freestanding control panel.
Spark threshold programmable for activation of extinguishing system.
Log of 2500 events in the memory.
Built in emergency power supply for up to 4 hours operation.
72 free programmable relays.
4 languages installed, maybe switched at any time.
Optional interface for data output.
Item number: 1011700
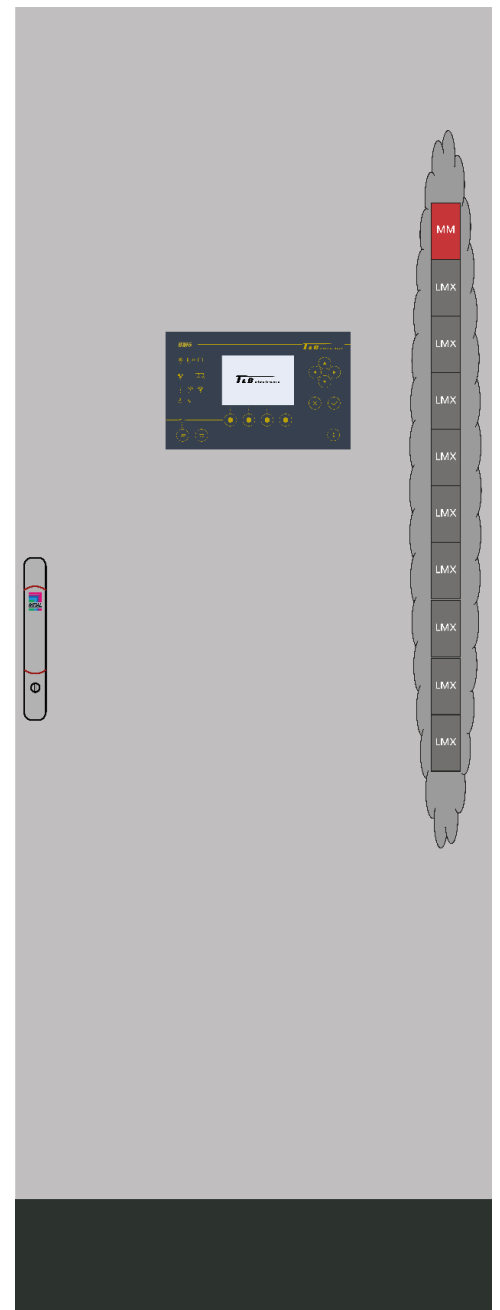
EXTERNAL CONTROL AND DISPLAY PANEL BM6 IN DESK CASE
The external control and display panel enables a spark detection unit to be operated from a remote location.
Dimensions: 403 x 290 x 150 mm
Protection Classification: IP 20
Item number: 1015714

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2-LINE MODULE
To expand a BM 6-16 by 2 lines, 6 extinguishing outputs
Item number: 1015701

4- LINE MODULE
To expand a BM 6-16 by 4 lines, 6 extinguishing outputs
Item number: 1015703

ALARM HORN / FLASHLIGHT H4/B4
Alarm unit for spark alarms or faults.
Item number: 1095700

DIAL-UP UNIT KM-4 OR KM-36
Module for transmission of events as they occur via SMS, e-mail or fax. Up to 8 receivers (cyclic processing).
Four digital inputs with freely configurable message text, which can be used for transmission of fault and alarm messages.
With its own housing 330 x 180 x 230 mm
Ambient temperature: -20 ° C to + 60 ° C
Incl. external antenna (3m cable)
For this purpose, required on site:
- SIM card (Mini-SIM / UICC)
- E-mail address without SSL encryption and login information.
When selecting the network operator's SIM card, make sure that on site an adequate mobile network strength is present.
Item number: 1085700
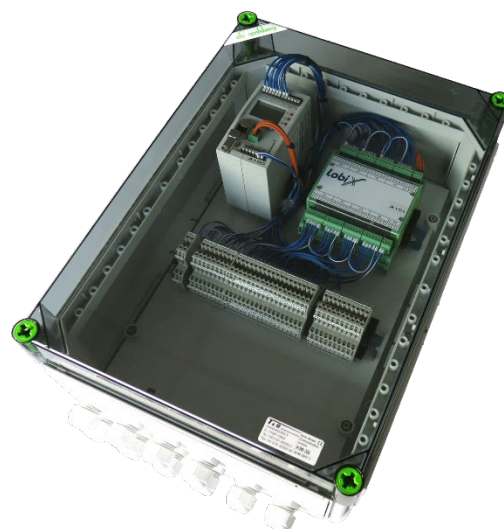
UPGRADE KIT **BM6** PERFORMANCE LEVEL **C**

To comply with EN 12779
"Safety of woodworking machines - Chip and dust extraction systems with fixed installation - Safety requirements"
Item number: 1015717

Zertifikat

Functional Safety
TÜVRheinland CERTIFIED
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ID 0600000000

Nr.: 968/FSP 1418.01/21

Prüfgegenstand	Funkenmelder innerhalb der Funkenmeldezentrale BM6 in den Versionen BM6-2, BM6-4, BM6-16, BM6-36	Zertifikats-inhaber	T&B electronic GmbH Industriestraße 3 31061 Alfeld Germany
Typbezeichnung	FSK-4, FSL-4, FST-4, FSK-4 ATEX, FSL-4 ATEX, FST-4 ATEX inklusive KK3 und KK3 ATEX Klemmkasten		
Prüfgrundlagen	EN ISO 13849-1:2015		
Bestimmungsgemäße Verwendung	Die Sicherheitsfunktion der Funkenmelder und der Funkenmeldezentrale ist die Detektion infrarotabstrahlender Partikel oder Körper. Die Funkenmelder können in Sicherheitsanwendungen mit den Funkenmeldezentralen BM6, BM6-2, BM6-4, BM6-16, BM6-36 bis PL c nach EN ISO 13849-1 und im Anwendungsbereich der EN 12779 eingesetzt werden.		
Besondere Bedingungen	Die Hinweise der zugehörigen Bedienungs- und Betriebsanleitung, die T&B Planungs- und Einbauanweisung, die projektspezifische Installationsanleitung und die VdS-Richtlinien 2106 sind zu beachten. Zusätzlich zum Alarmrelais ist eine Auswertung des Störungrelais zwingend erforderlich.		

Der Ausstellung dieses Zertifikates liegt eine Prüfung zugrunde, deren Ergebnisse im Bericht Nr. 968/FSP 1418.01/21 vom 12.08.2021 dokumentiert sind.
Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand übereinstimmen.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 25.08.2021
Zertifizierungsstelle Safety & Security for Automation & Grid

Dipl.-Ing. Gebhard Bouwer

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www.tuv.com

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Stand September 2021

Spark detectors and equipment

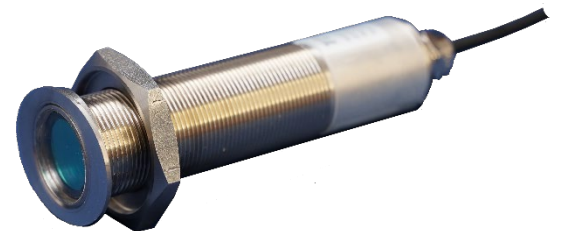|	
SPARK DETECTOR FSK-4 Spark detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3. Maximum ambient and product temperature may not exceed 60°C. (Also available as ATEX type). Item number: 1531701	
SPARK DETECTOR FSK-4 ATEX Spark detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3 ATEX. Maximum ambient and product temperature may not exceed 60°C. For mounting in Zone 20. Item number: 1532701	
SPARK DETECTOR FSK-4 IECEX Spark detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3 ATEX. Maximum ambient and product temperature may not exceed 60°C. For mounting in Zone 20. Item number: 1550710	
HT-ADAPTER (FLEXIBLE) LL500 FSK Including holder made of stainless steel. Flexible fibre optic arm for decoupling the FSK detector at temperatures up to 250 ° C. Insensitive to acid, consisting of metal stainless steel hose Fibre optic diameter 15 mm Item number: 1591707	
SPARK DETECTOR FST-4 Spark detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3. For use in areas with daylight incidence. Maximum ambient and product temperature may not exceed 60°C. (Also available as ATEX type). Item number: 1533701	
SPARK DETECTOR FST-4 ATEX Spark detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3 ATEX. For use in areas with daylight incidence. Maximum ambient and product temperature may not exceed 60°C. For use in Zone 20. Item number: 1534701	

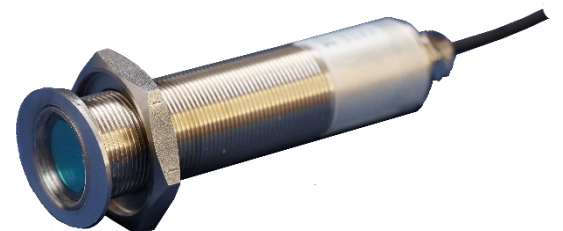|	
SPARK DETECTOR FST-4 IECEx Spark detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3 ATEX. For use in areas with daylight incidence. Maximum ambient and product temperature may not exceed 60°C. For use in Zone 20. Item number: 1550712	
HT-ADAPTER (FLEXIBLE) LL500 FST Including holder made of stainless steel. For thermal decoupling of the detector type FST-.., total length 500 mm. For screwing in front of the spark detector FST-... Complete with mounting bracket for mounting. Use up to 300°C. Item number: 1591706	
HT-ADAPTER FOR FST INELASTIC High temperature adapter for decoupling of the detector type FST-.. For screwing in front of the spark detector FST-… Use up to 300°C Item number: 1591703	
EMBER PARTICLE DETECTOR FST-3 LT Spark detector to detect ember particles above 100°C with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3 lt. For use in areas with daylight incidence. Maximum ambient and product temperature may not exceed 60°C. Item number: 1563701	
SPARK DETECTOR FSM-6 Multichannel detector for detection of sparks and embers from a temperature of 250 °. Not for use in areas with daylight incidence. Maximum ambient and product temperature may not exceed 60°C. Attention: Without VdS approval. (Also available as ATEX type). Item number: 1561701	
SPARK DETECTOR FSM-6 ATEX Multichannel detector for detection of sparks and embers from a temperature of 250 °. Not for use in areas with daylight incidence. Maximum ambient and product temperature may not exceed 60°C. Attention: Without VdS approval. For use in Zone 20. Item number.: 1562701	

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SPARK DETECTOR FSM-6 IECEX Multichannel detector for detection of sparks and embers from a temperature of 250 °. Not for use in areas with daylight incidence. Maximum ambient and product temperature may not exceed 60°C. Attention: Without VdS approval. For use in Zone 20. Item number.: 1550713	
SPARK DETECTOR FSL-4 Spark detector with mounting clamp. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3. Up to 3 light conductors may be attached. (Also available as ATEX or VdS compliant type). Item number: 1535701	
SPARK DETECTOR FSL-4 ATEX Spark detector with mounting clamp. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3. Up to 3 light conductors may be attached. For use in Zone 20. (Also available as VdS compliant type). Item number: 1536701	
LIGHT CONDUCTOR LL500 INCL. FASTENER FOR FSL Optical fibre for thermal decoupling of the detector with a metal sheath, total length 500 mm. To screw in the spark detector FSL. Complete with mounting bracket for mounting. Use up to 300°C. Item number: 1591705	
LIGHT CONDUCTOR LL2000 INCL. FASTENER FOR FSL Optical fibre for thermal decoupling of the detector with a metal sheath, total length 2000 mm. To screw in the spark detector FSL. Complete with mounting bracket for mounting. Use up to 300°C Item number: 1591704	

AIR PURGE FOR LIGHT CONDUCTOR Adapter for applying compressed air before the Light conductor. The air consumption of an air purge at 1 bar is approximately 70 l / min. The air hose must have an external diameter of 6 mm. The compressed air must have 3 to DIN ISO 8573-1 purity class. Item number: 1590702	
AIR PURGE FOR SPARK DETECTOR Adapter for applying compressed air before the spark detector. The air consumption of an air purge at 1 bar is approximately 70 l / min. The air hose must have an external diameter of 6 mm. The compressed air must have 3 to DIN ISO 8573-1 purity class. Item number: 1590701	
CONNECTION BOX KK3 For connection of 2 spark detectors, circuit board with 2 sockets. Complete with cable glands. (Also available as ATEX type). Item number: 2010701	
CONNECTION BOX KK3 ATEX For connection of 2 spark detectors, circuit board with 2 sockets. Complete with cable glands. For mounting in Zone 21. Item number: 2011702	
CONNECTION BOX KK3 IECEX For connection of 2 spark detectors, circuit board with 2 sockets. Complete with cable glands. For mounting in Zone 21. Item number: 1550714	

CONNECTION BOX KK3 LT For connection of 2 spark detectors type FST-3 lt, circuit board with 2 sockets. Complete with cable glands. Item number: 2010703	
POLLUTION SENSOR VMS-1 Sensor with special quick-action fixture to control the degree of pollution at the spark detector. With pre-assembled cable (2m). Maximum ambient and product temperature may not exceed 60°C. Not suitable for use in ATEX zones. Item number: 1560701	

Next page: **Temperature monitoring devices** →

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Temperature monitoring devices

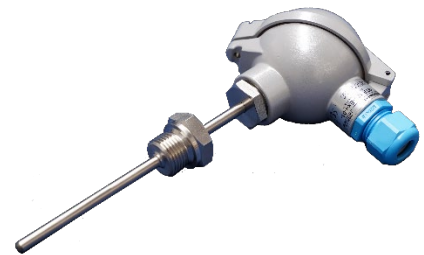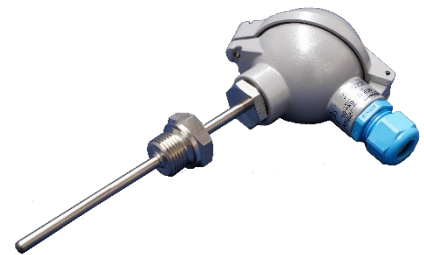|	
THERMO DETECTOR THM3 90°C Thermo detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3. (Also available as ATEX type). Item number: 1527701	
THERMO DETECTOR THM3 90°C ATEX Thermo detector with quick-action fixture. With pre-assembled cable (2m) and plug for connection on circuit board in the KK3 ATEX. For mounting in Zone 22. Item number: 1528700	
TEMPERATURE SENSOR PT100 GTF 103 ATEX Standard signal: With output signal 4 ... 20 mA Sensor element: Pt100 (4-wire) DIN class B Measuring range: -200 ° C Measuring range: 250 ° C Ambient temperature: -20 ... +40 ° C For use in Zone 20 Item number: 1571704	
TEMPERATURE SENSOR PT100 ATEX ZONE 1 + 2 Standard signal: With output signal 4 ... 20 mA Sensor element: Pt100 (4-wire) DIN class B Measuring range: -200 ° C Measuring range: 250 ° C Ambient temperature: -20 ... +40 ° C For use in gas zone 1 + 2 Item number: 1571701	
TEMPERATURE SENSOR PT100 GTF 103 Standard signal: without output signal Sensor element: Pt100 (4-wire) DIN class B Measuring range: -50 ... +400 ° C Item number: 1571705	
TEMPERATURE DETECTOR M8 FOR MONITORING OF MECH. DRIVES Type: Screw-in resistance thermometer with connecting cable and threaded protective tube Operating temperature: -50 up to + 300°C Diameter: Ø M8 Installation length: 25.00 mm Process connection: screw connection M8 (x1,25) Cable length: 2500 mm Item number: 1550701	
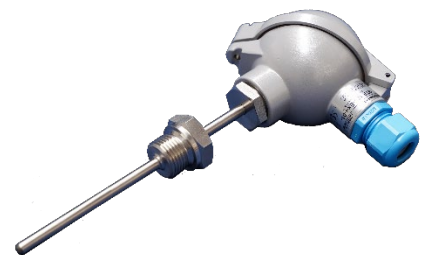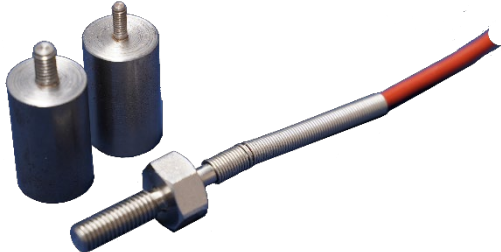
TEMPERATURE DETECTOR M10 FOR MONITORING OF MECH. DRIVES Type: Screw-in resistance thermometer with connecting cable and threaded protective tube Operating temperature: -50 up to + 300°C Diameter: Ø M8 Installation length: 25.00 mm Process connection: screw connection M10 (x1,25) Cable length: 2500 mm Item number: 1550702	
TEMPERATURE DISPLAY DIGITAL JUMODI ECO Sensor type: PT 100 Measuring range: -200-600°C Changeover contact (potential free) 10A/250V Depth:56mm Length x Width: 69x28,5mm Item number: 1572700	

Next page: **Flame detectors** →

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Flame detectors

FLAME DETECTOR UV-03 To detect open flames incl. 2m cable. Angle of view: 110°C For connecting to BM6 via KK3 and WR module Item number: 1583700	
FLAME DETECTOR UV-03.LU To detect open flames incl. 2m cable. incl. air purge for keeping clean the optics Angle of view: 35°C For connecting to BM6 via KK3 and WR module. Item number: 1583702	
FLAME DETECTOR UV-01 ATEX To detect open flames incl. 10 m cable. For mounting in Zone 20. Item number: 1584702	
CONNECTION BOX ATEX FOR FLAME DETECTORS For connection of 2 flame detectors, circuit board with 2 sockets. Complete with cable glands. For mounting in Zone 21. Item number: 2022701	
CONNECTION BOX FOR FLAME DETECTORS For connection of 2 flame detectors. Complete with cable glands. Item number: 2021701	

Automatic extinguishers	
AUTOMATIC EXTINGUISHING SP1D-R VA-24V-M For duct diameters up to 400 mm. Consisting of ball valve, solenoid valve, strainer and one extinguishing nozzle with special quick-fixing. (Also available as ATEX type). Item number: 2501724	
AUTOMATIC EXTINGUISHING SP1D-R VA-24V-M ATEX For duct diameters up to 400 mm. Consisting of ball valve, solenoid valve, strainer and one extinguishing nozzle with special quick-fixing. For mounting in Zone 21. Item number: 2501824	
AUTOMATIC EXTINGUISHING F-SP1D-R VA-24V-M Extinguishing device with real-time extinguishing nozzle for instantaneous extinguishing. For duct diameters up to 400 mm. Consisting of ball valve, solenoid valve, strainer and one real-time extinguishing nozzle with special quick-fixing. Without VdS approval. (Also available as ATEX version). Item number: 2502724	
AUTOMATIC EXTINGUISHING F-SP1D-R VA-24V-M ATEX Extinguishing device with real-time extinguishing nozzle for instantaneous extinguishing. For duct diameters up to 400 mm. Consisting of ball valve, solenoid valve, strainer and one real-time extinguishing nozzle with special quick-fixing. Without VdS approval. (Also available as ATEX version). Item number: 2502824	
AUTOMATIC EXTINGUISHING SP2D-R VA-24V-M For duct diameters up to 800 mm. Consisting of ball valve, solenoid valve, strainer and two extinguishing nozzles with special quick-fixing. (Also available as ATEX type). Item number: 2505724	

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AUTOMATIC EXTINGUISHING SP2D-R VA-24V-M ATEX For duct diameters up to 800 mm. Consisting of ball valve, solenoid valve, strainer and two extinguishing nozzles with special quick-fixing. For mounting in Zone 21. Item number: 2505824	
AUTOMATIC EXTINGUISHER F-SP2D-R VA-24V-M Extinguishing device with real-time extinguishing nozzles for instantaneous extinguishing. For duct diameters up to 800 mm. Consisting of ball valve, solenoid valve, strainer and two real-time extinguishing nozzles with special quick-fixing. Without VdS approval. (Also available as ATEX version). Item number: 2502725	
AUTOMATIC EXTINGUISHER F-SP2D-R VA-24V-M ATEX Extinguishing device with real-time extinguishing nozzles for instantaneous extinguishing. For duct diameters up to 800 mm. Consisting of ball valve, solenoid valve, strainer and two real-time extinguishing nozzles with special quick-fixing. Without VdS approval. For mounting in Zone 21. Item number: 2502825	

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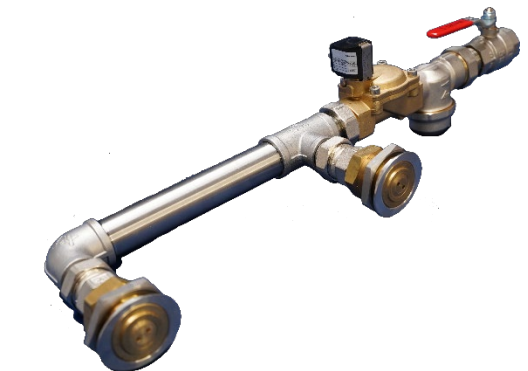
Water supply

PRESSURE BOOSTER SYSTEM WDS 300 Contains pressure vessel 300l, pump with 240 l/min delivery rate, pressure switch DS1, flow switch DFW, pressure switch DS3, high pressure hose and pump control. Item number: 3005700	
PRESSURE BOOSTER SYSTEM WDS 600 Contains pressure vessel 500l, pump with 240 l/min delivery rate, pressure switch DS1, flow switch DFW, pressure switch DS3, high pressure hose and pump control. Item number: 3010700	
PRESSURE BOOSTER SYSTEM WDS 600/1 Contains pressure vessel 500l, pump with 360 l/min delivery rate, pressure switch DS1, flow switch DFW, pressure switch DS3, high pressure hose and pump control. Item number: 3015703	

PRESSURE BOOSTER SYSTEM WDS 100
Max. Max. Flow rate 120 l / min, 2200 W, 400 V, 16 A
Incl. DS1 and DFW
Dimensions: (1005 x 1005 x 500) mm
If only using SP1D-R max. 5 lines with direct water connection at a flowing pressure of min. 0.5 bar at 120 l / min or with feed tank.
The tube dimensions should be selected so that the pressure loss is max. 1.5 bar. For example, 20 m DN 32 at 10 m height of the extinguishing using WDS 100.
For use only after previous arrangement with T & B!
Item number: 3001707

TEMPERATURE SENSOR FOR PUMP
Optional temperature monitoring of the pump for an early alarm in the event of overheating due to continuous operation.
Item number: 3025704

WATER TANK "ROUND" 600L
FOR WDS 300 / WDS 600 / WDS 100
To ensure the required flow rate of the pump.
Bottom flat, standing all over.
Closed version, with inspection opening d400 with plug-in cover in the roof.
Material: PE100 made of welded sheets suitable for pressureless operation.

Colour:	black
Medium:	water
Temperature:	indoor temperature
Net capacity:	0.6 m³
Inner diameter:	760 mm
cyl. height:	1300 mm
Wall thickness:	5 mm

When connecting to the drinking water network, EN 1717 and DIN 1988 must be observed for biological separation.
Item number: 3031700 for WDS 300 or WDS 600
Item number: 3030700 for WDS 100

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WATER TANK "ROUND" VB1 1000L
FOR WDS 600/1

To ensure the required flow rate of the pump.
Bottom flat, standing all over.
Closed version, with inspection opening d400 with plug-in cover in the roof.
Material: PE100 made of welded sheets suitable for pressureless operation.

Colour: black
Medium: water
Temperature: indoor temperature
Net capacity: 1.0 m³
Inner diameter: 780 mm
cyl. height: 2200 mm
Wall thickness: 5 mm

When connecting to the drinking water network, EN 1717 and DIN 1988 must be observed for biological separation.
Item number: 3033701

BACKFLOW PREVENTER ST3 FOR WATER TANK VB1

The backflow preventer is used to separate the drinking water from the extinguishing water in accordance with EN 1717. It is installed between the on-site drinking water connection and the water tank.
Separation of drinking water from the extinguishing water for spark extinguishing system is mandatory in the Drinking Water Ordinance.
The backflow preventer is designed for liquid Category 5 according to DIN EN 1717 with the following features:
- electronic control
- corrosion-free, self-priming, multi-stage horizontal centrifugal pump
- patented acoustic enclosure made of EPP
- integrated drinking water feed "free run" in accordance with DIN EN 1717 (Type AB)
- little need for space
- dry-running protection
- pressure gauge

The signal exchange with the spark extinguishing control panel is done via the pump control of the pressure boosting system.
The backflow preventer is pre-assembled on a mounting plate.
It can be installed on a wall near the water tank.
Item number: 3045720

SOLENOID VALVE FLUX Solenoid valve to flush the supply line to the water tank or backflow preventer according to DIN 1988:600. Item number: 3050700	
CONNECTION ASSEMBLY FLA TO SPRINKLER SYSTEM Prefabricated assembly for water supply via an existing sprinkler system. Fully assembled, consisting of: - Flow monitor DFW 2" - Ball valve for draining - Ball valve 2" to shut off - Backflow preventer 2" - VdS safety pressure switch DS3 - Transition for stainless steel pipe Item no.: 3055702	

Next page **Frost protection** →

Frost protection

HEATING TAPE CONTROL UNIT HBW/3 WITH TH2 Controller for 3 heating circuits, with pipe surface thermostat for monitoring the pipe temperature. Item number: 3501701	
HEATING TAPE CONTROL UNIT HBW/6 WITH TH2 Controller for 6 heating circuits, with pipe surface thermostat for monitoring the pipe temperature. Item number: 3505701	
OUTDOOR THERMOSTAT TH1 To activate the heating tape control unit at frost. Item number: 3525701	
HEATING TAPE HB1-10 W/M TRIC Item number: 3520701	
HEATING TAPE CONNECTION SET AG2 To connect the heating tape, complete with cable glands and shrink tubing connection set. Item number: 3510702	

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INSULATION BOX TYPE A ARMSTRONG Two-part half-shell case made of sheet metal with quick release to insert insulation for the SP1D-R Item number: 3515701	
INSULATION BOX TYPE B ARMSTRONG Two-part half-shell case made of sheet metal with quick release to insert insulation for the SP2D-R Item number: 3515702	

Next page: **Other components** →

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Other components

BYPASS SMOKE DETECTOR BRM2

with air channel sampling pipe (0.6 m long) for the early detection of smouldering and fires with smoke
Item number: 1585705

ADICOS FIRE-GAS DETECTOR

GSME detector unit equipped with a triple-semiconductor gas sensor consisting of a hydrogen-carbon monoxide and two semiconductor sensors, which are operated alternately. The CO-semiconductor gas sensors have a filter which is heated alternately in order to ensure the optimal duration function.
Equipped with MBus module and a free slot for BMZ modules.
Early detection in the entire range of storage / production facilities for paper, wood, flour, grain, garbage, etc.
Suitable for dust and moisture stress environments.
Aluminium die in explosion-proof housing.
Special cable pre-assembled.
Low power consumption
Central data collection
Item number: 1090701

ADICOS CONNECTION BOX

Pre-assembled connection assembly for wiring the ADICOS fire gas detector, plastic housing (IP54), 5 plastic screw connections M 20, design for ATEX Zone 22, II 3D Ex tc IIIC T60 ° C Dc IP6X according to RL 2014/34 / EU
Item number: 1090750

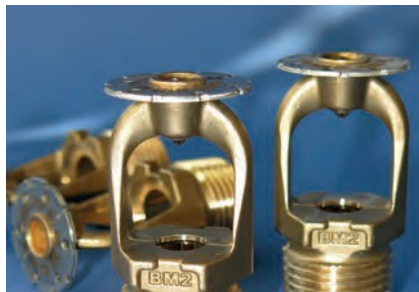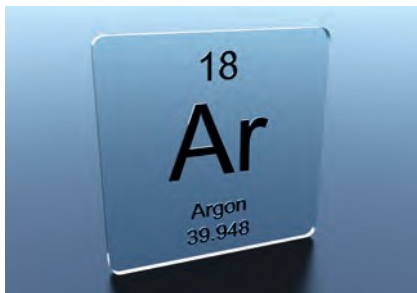|	
ADICOS CONTROL CABINET Basic version for max. 4 detectors The recorded fire gas values are stored on the integrated PC. These values can be used to adjust alarm values according to local conditions. Item number: 1090700	
MANUAL ACTUATION BUTTON IP 52 CO2 For manual extinguishing, connection via WR module. Item number: 1575701	
WR-MODULE Input module for digital signals (manual buttons, thermo detectors, smoke detectors, temperature detectors) Item number: 1095740	

Our Products – Your Safety

VdS-certified water spray extinguishing systems

Water spray extinguishing systems are used in areas where there is a risk of rapidly spreading fires and act on the object to be protected quickly and extensively with extinguishing water.

Infrared Early Fire Detektion Systems (VdS 3189)

Camera system for area-wide detection of embers and smoldering fires at long range.

Fire alarm systems (DIN 14675)

Fire alarm systems are permanently installed manual or automatic systems for early fire detection, warning of the persons concerned and rapid transmission of the fire alarm to a service provider.

VdS-certified spark extinguishing system

Fully automatic system that detects the smallest ignition potentials in transport systems and extinguishes them in the range of milliseconds.

Argon extinguishing system (VdS 2380 / 3445)

Fully automatic extinguishing system in which the formation of fire is detected and eliminated by oxygen displacement.

Customer-specific fire protection concepts

As a VdS-approved installer, T&B will work closely with you to create a holistic fire protection concept tailored to your requirements.

You have questions or would like to get advice? Just get in touch with us:

📱 **02 9669 4000**

✉ **sales@cmctechnologies.com.au**

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