



**Flüssiggas-Anlagen**

## **»Group 26«**

**Threephase Motors**

**Electrical Components**

**Gas Leakage Detectors**



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**Threephase Motor with cage rotor, increased safety category EEx e II T 3, protection class IP 54, construction type B 3, with PTB test certificate**

**Voltage 230/400 V 50 Hz, motor speed 1500 RPM**

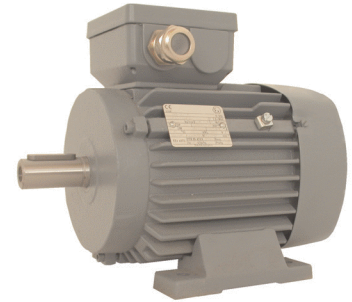
| Order No. | Power<br>kW | Model Size | Weight<br>(kg) |
|-----------|-------------|------------|----------------|
| 26 001    | 0,75        | 80         | 9,8            |
| 26 002    | 1,00        | 90 S       | 12,7           |
| 26 003    | 1,35        | 90 L       | 16,0           |
| 26 004    | 2,00        | 100 L      | 22,0           |
| 26 005    | 2,50        | 100 L      | 24,0           |
| 26 006    | 3,60        | 112 M      | 29,0           |

**Voltage 400/690 V 50 Hz, motor speed 1500 RPM**

| Order No. | Power<br>kW | Model Size | Weight<br>(kg) |
|-----------|-------------|------------|----------------|
| 26 007    | 5,00        | 132 S      | 39,0           |
| 26 008    | 6,80        | 132 M      | 53,0           |
| 26 009    | 10,00       | 160 M      | 73,0           |
| 26 010    | 13,50       | 160 L      | 90,0           |
| 26 011    | 15,00       | 180 M      | 165,0          |
| 26 012    | 17,50       | 180 L      | 180,0          |
| 26 013    | 24,00       | 200 L      | 240,0          |
| 26 014    | 30,00       | 225 S      | 300,0          |
| 26 015    | 36,00       | 225 M      | 330,0          |

**Voltage 400/690 V 50 Hz, motor speed 750 RPM**

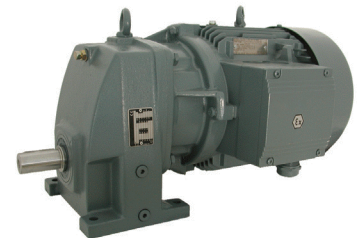
| Order No. | Power<br>kW | Model Size | Weight<br>(kg) |
|-----------|-------------|------------|----------------|
| 26 021    | 4,80        | 160 M      | 67,0           |
| 26 022    | 9,70        | 180 L      | 175,0          |
| 26 023    | 16,50       | 225 S      | 300,0          |



Motors with other capacities and special models e.g. flame-proof versions or single phase ex-proof motors are available on request.

**Threephase Helical Geared Motor with cage rotor, increased safety category EEx e II T 3, protection class IP 54, voltage 400/690 V, 50 Hz, with PTB test certificate**

| Order No. | Power<br>kW | RPM | Model Size | Weight<br>(kg) |
|-----------|-------------|-----|------------|----------------|
| 26 031    | 5,0         | 560 | 132 S      | 88,0           |
| 26 032    | 10,0        | 580 | 160 M      | 145,0          |
| 26 035    | 13,5        | 580 | 160 L      | 165,0          |
| 26 033    | 15,0        | 580 | 180 M      | 203,0          |
| 26 034    | 17,5        | 580 | 180 L      | 214,0          |



**Manual Motor Starter for direct-on-line starting and overload protection of explosion-proof motors, plastic enclosure, protection class IP 65, explosion-proof to E Ex de II C, with PTB test certificate**

| Order No. | Setting Range | Weight | Order No. | Setting Range | Weight |
|-----------|---------------|--------|-----------|---------------|--------|
| 26 051    | 1,6 - 2,5 A   | 3,5    | 26 057    | 9,0 - 12,5 A  | 3,5    |
| 26 052    | 2,5 - 4,0 A   | 3,5    | 26 058    | 12,5 - 16,0 A | 4,4    |
| 26 054    | 4,0 - 6,3 A   | 3,5    | 26 059    | 16,0 - 20,0 A | 4,4    |
| 26 056    | 6,3 - 9,0 A   | 3,5    |           |               |        |



**Control Button in insulating box, explosion-proof to EEx de II C T6, for controlling electrical drives, protection class IP 64, with PTB test certificate**

| Order No. | Execution  | Fig. |
|-----------|--|------|
| 26 041    | Emergency stop button with mushroom button actuator              | 1    |
| 26 042    | ON-OFF push-button   | 2    |
| 26 043    | ON-OFF push-button with indicating lamp                          | 3    |
| 26 044    | Emergency stop button with mushroom key-operated button actuator | 4    |



**Control Button without explosion protection, IP 64**

| Order No. | Execution   | Fig.<br>like 1 |
|-----------|---|----------------|
| 26 046    | Emergency stop button with mushroom button actuator |                |

Fig. 1

Fig. 2

Fig. 3

Fig. 4

**Isolating Switch Amplifier** for the transmission of signals from hazardous areas, for installation in electrical control cubicle, intrinsically safe signal circuit, with possibility for connection of preset resistors for monitoring cable breaks and short circuits, with PTB test certificate

Type: **A** = 1 channel / 1 change-over contact  
 Type: **B** = 2 channel / 2 change-over contacts

| Order No.     | Order No.     | Type | Voltage     |
|---------------|---------------|------|-------------|
| Type A        | Type B        |      |             |
| <b>26 301</b> | <b>26 302</b> | KFA6 | 230 V/50 Hz |
| <b>26 303</b> | <b>26 304</b> | KFD2 | 24 V-DC     |



**Fail-safe isolating switch amplifier, tested by TÜV**  
**26 305** - KHA6-SH 230 V/50 Hz

**Temperature Monitoring System** for magnetic coupling

**Limit switch** for installation in electrical control cubicle, intrinsically safe signal circuit, for attachment of resistance thermometer, potential-free relay output with 2 change-over contacts, power supply 230 V / 50 Hz, **with PTB test certificate**

**Resistance Thermometer** PT 100, stainless steel probe

| Order No.     | Execution   |
|---------------|---|
| <b>26 309</b> | <b>Resistance thermometer, G 1/4" male</b>  |
| <b>26 311</b> | <b>Limit switch, EEx ia IIC</b>   |
| <b>26 308</b> | <b>Adapter for SIH-pump, M12 x 1 male - G 1/4" female, length =70 mm, stainless steel</b> |



PT 100



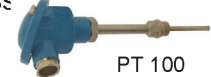
Limit Switch

**Temperature Measuring and Monitoring System** (e.g. for vapour outlet in compressor)

**Measuring Amplifier** with 2 adjustable limit outputs and temperature indication on front display, intrinsically safe input circuit for PT 100, DIN resistors in 2-, 3- or 4-wire circuit, potential-free outputs each with 1 change-over contact, operating voltage 24 V DC, installation in 19" rack or electrical control cubicle, **with PTB test certificate**

**Resistance Thermometer PT 100**, G 1/2" male connection, stainless steel probe

| Order No.     | Execution  |
|---------------|--|
| <b>26 312</b> | <b>Resistance thermometer, PT 100</b>  |
| <b>26 313</b> | <b>Measuring amplifier, with relay output</b>  |
| <b>26 314</b> | <b>Measuring amplifier, with additional current / voltage output</b>   |
| <b>26 315</b> | <b>Enclosure</b> for electrical control cubicle for holding pc board   |
| <b>26 316</b> | <b>Welding thermometer well</b> , connection M18 x 1,5 female with inspection certificate 3.1.B to EN 10 204 |
| <b>26 317</b> | <b>Multipole connector</b> , connection pins 0,8 x 2,4 mm  |



PT 100



Measuring Amplifier



Thermometer Well

**Level Limit Switch** for liquids, electronic, operating temperature -40°C to +120°C, suitable for use in hazardous areas, Zone 0, with PTB test certificate

| Order No.     | Execution   |
|---------------|---|
| <b>26 135</b> | <b>Level Sensor FTL 50</b> , PN 25, connection 1" NPT male, sensor length 66,5 mm   |
| <b>26 136</b> | <b>Liquid Level FTL 320</b> , with intrinsically safe electrical input and relay output (working contact), 1 channel, power supply 230 V AC, for installation in electrical control box |

**Sensors with other connections, e.g. DIN-flanges are available on request.**



Sensor



Liquid Level Transducer

**Horn** with powerful electromagnetic system, 230 V / 50 Hz, signal transmitter for use in damp areas or outdoors

| Order No.     | Execution   | Weight |
|---------------|---|--------|
| <b>26 061</b> | <b>without</b> explosion protection                         | 0,9    |
| <b>26 062</b> | <b>with</b> explosion protection, with PTB test certificate | 1,0    |



**Beacon** visual warning device, 230 V/50 Hz, signal transmitter for use in moist areas or outdoors

| Order No.     | Execution   | Weight |
|---------------|---|--------|
| <b>26 151</b> | <b>without</b> explosion protection                         | 0,5    |
| <b>26 152</b> | <b>with</b> explosion protection, with PTB test certificate | 1,3    |



**Electric Torch** for hazardous areas, [EEx ia] e II C T6, protection class IP 66, for alkaline batteries type R 20

| Order No.     | Lamp        | Qty. of Batteries <sup>1)</sup> | Weight |
|---------------|-------------|---------------------------------|--------|
| <b>26 161</b> | 2,5 V/0,3 A | 2 pcs                           | 0,20   |
| <b>26 162</b> | 3,7 V/0,3 A | 3 pcs                           | 0,25   |



<sup>1)</sup> Batteries are not included in scope of supply.



### Portable Gas Indicator for LPG with two-digit, digital LCD display

For detecting explosive propane / butane concentrations in the air, with built-in electrical pump, rechargeable Ni-Cd battery, battery capacity approx. 200 standard measuring cycles, explosion proof Ex s II C T3

Measuring Range: 0 - 100 % LEL (lowest explosive level) Propane

Dimensions: B = 72 mm, T = 33 mm, H = 170 mm

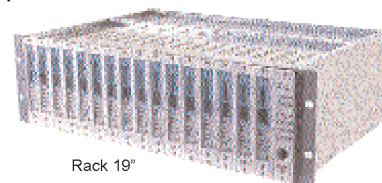
Weight: 0,5 kg

| Order No. | Execution  |
|-----------|--|
| 26 201    | Gas indicator                                      |
| 26 202    | Carrying case                                      |
| 26 203    | Battery charger 230 V / 50 Hz                      |
| 26 204    | Telescopic probe                                   |
| 26 205    | Testing hose l = 2 m                               |
| 26 206    | Battery charger for motor vehicles 12 V / 24 V -DC |



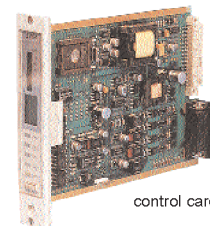
### Gas Detection System for LPG for stationary applications, System 57

For systems with max. 16 control cards in 19" rack, for monitoring hazardous areas in which an explosion is likely to occur due to existing flammable gas / air mixtures. With analogue and digital display, 3 adjustable alarm levels, standard setting 20% / 40% LEL, 5 LEDs for gas alarm A1, A2, A3, error and alarm lock, peak value storage, push-button for alarm stop, auxiliary voltage with 24 V-DC, interface card with relay for total and group alarm, with functional expertising certificate according to EN 50 054/57 for safety monitoring to Ex-RL



Rack 19"

| Order No. | Execution  |
|-----------|--|
| 26 243    | <b>Rack 19"</b> for installation in switch cabinet for <b>8 control cards</b> ,  |
| 26 244    | <b>Rack 19"</b> for installation in switch cabinet for <b>16 control cards</b> ,   |
| 26 241    | <b>Wall mounting cabinet</b> , protection class IP 54, for <b>8 control cards</b>  |
| 26 242    | <b>Wall mounting cabinet</b> , protection class IP 54, for <b>16 control cards</b>   |
| 26 246    | <b>Power supply</b> 230 V 50 Hz (AC) / 24 V (DC)   |
| 26 249    | <b>Control card</b> , 1-channel, for single alarm  |
| 26 247    | <b>Control card</b> , 1-channel, for single or group alarm   |
| 26 248    | <b>Control card</b> , 1-channel, for group alarm   |
| 26 250    | <b>Gas detection sensor</b> type Sense Point, complete with terminal box in protection class Ex e, with weather protection <b>for outside operation</b> , with ATEX-approval |
| 26 251    | <b>Gas detection sensor</b> type Signal Point, complete with terminal box in protection class Ex e, <b>for inside operation in buildings</b> , with ATEX-approval            |



control card



Gas detection sensor, type Sense Point

**Please indicate the numbers of control cards and gas detection sensors when placing your order. Further executions are available on request.**

### Gas Detection System for LPG for stationary applications, type BIAS 4

For systems with max. 4 control cards for monitoring hazardous areas in which an explosion is likely to occur due to existing flammable gas / air mixtures, plastic housing for metering and analysing electronics for installation on a wall or in a switch cabinet, with digital display of the measuring value, 2 total alarm relays for 1. and 2. alarm level and one separate alarm relay, standard setting 20% / 40% LEL, voltage 230 V 50 Hz (AC) or 24 V (DC) with functional expertising certificate acc. EN 50 054/57 for safety monitoring to Ex-RL

| Order No. | Execution   |
|-----------|---|
| 26 231    | Measuring and analysing electronics <b>in plastic housing for one control card</b>  |
| 26 234    | Measuring and analysing electronics <b>in plastic housing for 2 control cards</b>   |
| 26 235    | Measuring and analysing electronics <b>in plastic housing for 3 control cards</b>   |
| 26 236    | Measuring and analysing electronics <b>in plastic housing for 4 control cards</b>   |
| 26 250    | <b>Gas detection sensor</b> type Sense Point, complete with terminal box in protection class Ex e, with weather protection <b>for outside installation</b> , with ATEX-approval |
| 26 251    | <b>Gas detection sensor</b> type Signal Point, complete with terminal box in protection class Ex e, <b>for operation within buildings</b> , with ATEX-approval                  |



Measuring and analysing electronics



Gas detection sensor type Signal Point

**Please indicate the numbers of control cards and gas detection sensors when placing your order. Further executions are available on request.**