krom schroder

Automatic burner control unit Series IFD 244

Technical data

Mains voltage for grounded and ungrounded mains:
120 V AC, -15/+10%, 50/60 Hz,
230 V AC, -15/+10%, 50/60 Hz.
Safety time on start-up tSA: 3, 5 or 10 s.
Safety time during operation tSB: < 1 s, < 2 s.
Ignition time tZ: approx. 2, 3 or 6 s.
Power consumption:
IFD 244: approx. 9 VA,
IFD 244..I: approx. 9 VA + 25 VA during ignition.
Valve connections: 1.
Output voltage for valves and ignition transformer = mainsvoltage.
Contact rating:
Ignition output: max. 2 A, cos ϕ = 0.2,
Valve output: max. 1 A, cos ϕ = 1,
Signalling contacts: max. 2 A, 253 V AC,
Max. number of operating cycles: 250,000.
Max. number of operating cycles:
Reset button: 1000,
Mains button: 1000.

Control de quemador Series BCU 370

Technical data

Mains voltage:
BCU..W: 230 V AC, -15/+10%, 50/60 Hz, or
BCU..Q: 120 V AC, -15/+10%, 50/60 Hz,
for grounded or ungrounded mains.
Flame control with UV sensor or ionisation sensor.
Flame signal for:
Ionisation control: 1 - 28 µA,
UV control: 1 - 35 µA.
For intermittent or continuous operation.
Air pressure check during pre-purge and operation by external air pressure switch DL.
Maximum length of ignition cable with integrated electronic ignition: 1 m.
Maximum length of ionisation/UV cable: 50 m (164 ft).
Max. number of operating cycles: 250,000.
Ambient temperature:
BCU 370: -20 - +60 °C (-4 - +140 °F),
BCU 370..I: -10 - +60 °C (14 - +140°F),

Automatic burner control units Series IFS 110IM,IFS 111IM

Technical data

Mains voltage IFS 110IM..T, IFS 111IM..T: 220/240 V AC, +10/-15%, 50/60 Hz,
Mains voltage IFS 110IM..N: 110/120 V AC, +10/-15%, 50/60 Hz.
Safety time: 2, 3, 5 or 10 s.
Ignition time: Approx. 1, 2, 3 or 7 s.
Power consumption: 9 VA.
Output to ignition transformer with noswitch
contacts via semi-conductor.
Output voltage for valves and ignition transformer = mains voltage.
Contact rating:
Max. 1 A, cos ϕ = 0.3 per output:
Max. 1 A, cos ϕ = 1 per output,
Max. number of operating cycles: 250,000.
Total load: Max. 2 A.
Reset button: Max. number of operatingcycles: 1000.
Input voltage signal inputs
Rated value 110/120 V AC 220/240 V AC
Signal "1" 80 - 126.5 V 160 - 264 V
Signal "0" 0 - 20 V 0 - 40 V / Frequency 50/60 Hz
Input current signal "1" typ. 2 mA

Automatic burner control units SeriesIFD 450, IFD 454

Technical data

Mains voltage for grounded and ungrounded
mains:
IFD..T: 220/240 V AC, -15/+10%, 50/60 Hz,
IFD..N: upon request
110/120 V AC, -15/+10%, 50/60 Hz.
Safety time on start-up tSA: 3, 5 or 10 s.
Safety time during operation tSB: < 1 s, < 2 s.
Ignition time tZ: approx. 2, 3 or 7 s.
Power consumption: approx. 9 VA.
Output to ignition transformer with noswitch
contacts via semi-conductor.
Output voltage for valves and ignition
transformer = mains voltage.
Contact rating:max. 1 A, cos j = 1 per output,
V2: max. 0.75 A, cos j = 1,max. number of operating cycles: 250,000.
Total load: max. 2 A.
Reset button: max. number of operating
cycles: 1000.

Gas pressure regulators VGBF

Technical data

Inlet pressure range: up to 500 mbar, 1 bar and 4 bar.
Outlet pressure ranges:
VGBF 15 - 50: 5 - 350 mbar,
VGBF 65, 150: 5 - 160 mbar,
VGBF 80, 100: 5 - 350 mbar.
VGBF..05: Class A.
VGBF..10, VGBF..40:
Accuracy Class: AC 10,
Lock-up pressure class: SG 30.
Ambient temperature:
standard: -15 to +60°C,
VGBF..L/VGBF..V: 0 to +60°C.
Storage temperature:
standard: -15 to +40°C,
VGBF..L/VGBF..V: 0 to +40°C.

Gas pressure regulator GDJ

Technical data

Inlet pressure range up to 400 mbar.
Outlet pressure ranges:
GDJ 15: 2 to 55 mbar,
GDJ 20 - 40: 5 to 160 mbar,
GDJ 50: 5 to 100 mbar.
Control range: 10:1.
Ambient temperature: -20 to +60°C.
Storage temperature: -20 to +40°C.
Valve housing: aluminium.
Valve seat: aluminium.
Valve disc: plastic.
Valve disc seal: Perbunan.
Diaphragms: Perbunan.
When used for air: special version.
Internal thread: Rp to ISO 7-1.Wartungszyklen

Gas Regulator Series GIKH
Variable air/gas ratio controls

Technical data

Inlet pressure pu: max. 200 mbar.
Differential between inlet and outlet pressures: max. 100 mbar.
Ambient temperature: -20 to +60°C.
Storage temperature: -20 to +40°C.
Housing: aluminium.
Valve seat and stem: aluminium.
Valve disc: plastic.
Valve disc seal: NBR.
Diaphragms: NBR.
Bypass screw: brass.
When used for air: special version.
Internal thread: Rp to ISO 7-1.
Weight: 3.4 kg.

Gas Regulator Series GIK
Air/gas ratio controls

Technical data

Air control pressure: 0.5 to 120 mbar.
Outlet pressure: 0.2 to 119 mbar.
Differential pressure between inlet area and outlet pressure: max. 100 mbar.
Transmission ratio: 1:1.
Control range: 1:10.
Internal thread: Rp 1 to ISO 7-1.
Flanged connection: PN 16 to ISO 7005.
Bypass screw: brass.
Connection for control line: Rp ɯ.
Ambient temperature: -20 to +60°C.
Storage temperature: -20 to +40°C.
Valve disc: plastic.
Valve disc seal: NBR.
GIK 65 - 150:
Adjusting range at low fire: -2 to +2 mbar.
Connection for control line: Rp ɯ.
Ambient temperature: -15 to +60°C.
Storage temperature: -15 to +40°C.
Valve disc: aluminium.
Valve disc seal: vulcanized NBR seal

Solenoid Valves Series AD,VAG,VAV

Technical data

IInlet pressure range pu:10 - 500 mbar (4 - 200 "WC),
FM approved (230 V AC, 120 V AC,24 V DC), non operational pressure:
700 mbar (10 psig).ANSI/CSA approved (230 V AC, 120 V AC,
24 V DC) up to 350 mbar (5 psig).
Opening time of the solenoid valve:quick opening: ≤0.5 s,
Closing time: quick closing: <1 s.
Ambient temperature: -20 to +60°C (-4 to +140°F), no condensation permitted.
Storage temperature: -20 to +40°C (-4 to 104°F), no condensation permitted.
Safety valve: Class A to EN 161,
Factory Mutual (FM) Research Class: 7410 and 7411(230 V AC, 120 V AC, 24 V DC),
ANSI Z21.21 and CSA 6.5,
ANSI Z21.18 and CSA 6.3.
Control class A to EN 88-1.
Control range: up to 10:1.

Solenoid Valves Series VAS

Technical data

Types of gas: Natural gas, LPG (gaseous),biologically produced methane
(max.0.1 %-by-vol. H2S) or air; other gases on request.
The gas must be dry in all temperatures and must not condense.
Max. inlet pressure pe: max. 500 mbar.
Flow adjustment limits the maximum flow
volume between 20 and 100%. The setting
can be monitored on an indicator.
Opening time:
VAS../N quick opening: ≤ 0.5 s;
VAS../L slow opening: approx. 10 s.
Closing time:
Quick closing: < 1 s.
Ambient temperature: -20 - +60°C,
no condensation permitted.
Class A safety valve pursuant to EN 161.
Mains voltage:
230 V AC, +10/-15%, 50/60 Hz;
120 V AC, +10/-15%, 50/60 Hz;
24 V DC, +20/-15%.