

# Tender specification

## INT69<sup>®</sup> EXF2 Diagnose – Pump protection relay

ATEX protection relay for universal protection of 2 x temperature (zero-voltage safe), 1 x leakage and 1 x run detection. An automatic restart after an interlocked switch-off is possible via the button reset or the input external reset. Two relays ensure the safe switch-off. The status of temperature and leakage is signaled on separate LEDs with temperature and leakage.

Parameterization and diagnose are possible via the INTspecter App and the USB-Gateway (INT600 DU Gateway) or the Bluetooth-Gateway (INT600 DB Gateway). All inputs and outputs are configurable. The data can be transmitted to external systems via the Diagnose Port (DP) and the Modbus Gateway (INT600 DM Gateway).

### Technical data

<b>Dimensions (HxWxD):</b>	127 mm x 22.5 mm x 117 mm
<b>Connection type:</b>	Removable push-in terminals
<b>Mounting:</b>	Switching cabine installation; DIN rail 35 mm
<b>Ambient temperature:</b>	-20 °C ≤ Ta ≤ +60 °C
<b>Interface:</b>	Diagnose Port (DP)
<b>Display:</b>	LEDs for function control via blink code
<b>Temperature 1:</b>	PTC
<b>Temperature 2:</b>	bimetal
<b>Leakage:</b>	10 kΩ–1 MΩ
<b>External reset:</b>	for a normally open contact; 5 V =; 1 mA
<b>Relay 1 &amp; 2:</b>	240 V ~; 10 A
<b>Run detection:</b>	Phase-phase: 60-480 V ~ +10 %; Phase-zero: 60-277 V ~ +10 %; 20-100 Hz
<b>Certification:</b>	EN ISO 80079-37:2016
<b>Manufacturer:</b>	KRIWAN Industrie-Elektronik GmbH
<b>Type:</b>	INT69 EXF2 Diagnose
<b>Part number:</b>	20A713P081 (24 V ~/– 50/60 Hz) 22A713P081 (100-240 V ~ 50/60 Hz)
<b>Accessories:</b>	INT600 DU Gateway; PN 02S365S21 (USB-Gateway; direct connection between INT69 EXF2 Diagnose and PC, smartphone or tablet)  INT600 DB Gateway; PN 02S377S021 (Bluetooth-Gateway; direct connection between INT69 EXF2 Diagnose and PC, smartphone or tablet)  INT600 DM Gateway; PN 22S371 (Modbus-Gateway; for integration of the INT69 EXF2 Diagnose in the system control)

DP-cable; PN FK02098077  
(Plug angled-angled; length 1.00 m;  
for the connection of the INT69 EXF2 Diagnose to the  
INT600 DM Gateway)