

# Tender specification

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

The diagnose 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 parameterizable relays ensure the safe switch-off and the advance warning. The status of temperature and leakage is signaled on separate LEDs with temperature and leakage.

Parameterization and diagnose are possible via the INTspector 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>	Removeable push-in terminals
<b>Mounting:</b>	Switching cabinet 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>Motor temperature:</b>	PTC; Pt100; Pt1000; bimetal
<b>Temperature 1 &amp; 2:</b>	PTC; Pt100; Pt1000; bimetal
<b>Leakage:</b>	5 kΩ–1.5 MΩ
<b>External reset:</b>	for a normally open contact; 5 V =; 1 mA
<b>Relay 1 &amp; 2:</b>	Contact min. 24 V ~/= 20 mA; Rating data (UL/CSA) max. 240 V ~ 2.5 A C300; Nominal load (ohmic) 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>	UL File No. E473026 cURus; UL File No. E75899 cURus
<b>Manufacturer:</b>	KRIWAN Industrie-Elektronik GmbH
<b>Type:</b>	INT69 F Diagnose
<b>Part number:</b>	20A712P081 (24 V ~/= 50/60 Hz) 22A712P081 (100–240 V ~ 50/60Hz)
<b>Accessories:</b>	INT600 DU Gateway; PN 02S365S21 (USB-Gateway; direct connection between INT69 F Diagnose and PC, smartphone or tablet)  INT600 DB Gateway; PN 02S377S021 (Bluetooth-Gateway; direct connection between INT69 F Diagnose and PC, smartphone or tablet)

INT600 DM Gateway; PN 22S371  
(Modbus-Gateway; for integration of the INT69 F  
Diagnose in the system control)

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