

# Tender specification

## INT69® F Diagnose Basic – 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 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. All inputs and outputs are configurable. The data can be transmitted to external systems via the Diagnose Port (DP) and the gateway.

### Technical data

<b>Dimensions (HxWxD):</b>	127mm x 22.5mm x 117mm
<b>Connection type:</b>	Removeable push-in terminals
<b>Mounting:</b>	Switching cabinet installation; DIN rail 35mm
<b>Ambient temperature:</b>	-20°C...+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>	10kΩ–1MΩ
<b>External reset:</b>	for a normally open contact; DC 5V; 1mA
<b>Relay 1 &amp; 2:</b>	AC 240V; 10A
<b>Run detection:</b>	phase-phase: AC 60-480V +10%; phase-zero: AC 60-277V +10%; 20-100Hz
<b>Certification:</b>	UL File No. E473026 cURus
<b>Manufacturer:</b>	KRIWAN Industrie-Elektronik GmbH
<b>Type:</b>	INT69 F Diagnose
<b>Part number:</b>	20A712P081 (AC/DC 50/60Hz 24V) 22A712P081 (AC 50/60Hz 100-240V)
<b>Accessories:</b>	INT600 DU Gateway; PN. 02S365S21 (USB-Gateway; direct connection between INT69 F Diagnose and PC, smartphone or tablet)