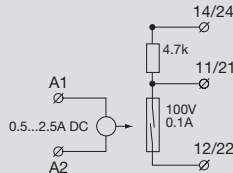


PLUGCONTROL - Threshold monitoring

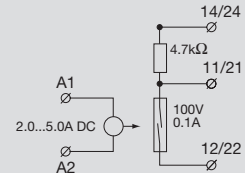
Relay output

- Monitoring of currents up to 10 A DC
- For use with valves, servocontrols or DC motors
- Pull-up / pull-down resistor 4.7 k Ω

PAS CMR 0.5...2.5 A DC



PAS CMR 2.0...5.0 A DC



Technical data

Input	
Input current	0.5...2.5 A DC
Max. current	7.5 A for 10 s
Making current threshold	≤ 500 mA
Resistance of sensor circuit	50 Ω
Secure off	≤ 50 mA
Pulse duration	min. 1 ms
Output	
Switching current	≤ 100 mA
Switching voltage AC / Switching voltage DC	1 V...100 V / 1 V...100 V
Max. switching frequency	15 Hz
Contact assembly	1 NO contact
Contact material	RH/Rd (Reed contact)*
General data	
Ambient temperature	0 °C...+55 °C
Storage temperature	-40 °C...+85 °C
Humidity	5...95 % rel. humidity
	T _v = 40°C, no condensation
Approvals	cULus; CE
Insulation coordination	
Standards	EN 50178 (secure separation)
EMC standards	EN 55011, EN 61000-6-1, 2, 3, 4
Rated voltage	300 V
Impulse withstand voltage	6 kV
Insulation voltage	4 kV _{eff} / 1 min.
Overvoltage category	III
Pollution severity	2
Clearance & creepage distances	≥ 5 mm (grout encapsulated)

Input current	0.5...2.5 A DC
Max. current	7.5 A for 10 s
Making current threshold	≤ 500 mA
Resistance of sensor circuit	50 Ω
Secure off	≤ 50 mA
Pulse duration	min. 1 ms
Switching current	≤ 100 mA
Switching voltage AC / Switching voltage DC	1 V...100 V / 1 V...100 V
Max. switching frequency	15 Hz
Contact assembly	1 NO contact
Contact material	RH/Rd (Reed contact)*
Ambient temperature	0 °C...+55 °C
Storage temperature	-40 °C...+85 °C
Humidity	5...95 % rel. humidity
	T _v = 40°C, no condensation
Approvals	cULus; CE
Standards	EN 50178 (secure separation)
EMC standards	EN 55011, EN 61000-6-1, 2, 3, 4
Rated voltage	300 V
Impulse withstand voltage	6 kV
Insulation voltage	4 kV _{eff} / 1 min.
Overvoltage category	III
Pollution severity	2
Clearance & creepage distances	≥ 5 mm (grout encapsulated)

Input current	2...5.0 A DC
Max. current	15 A for 10 s
Making current threshold	≤ 2 A
Resistance of sensor circuit	50 Ω
Secure off	≤ 300 mA
Pulse duration	min. 1 ms
Switching current	≤ 100 mA
Switching voltage AC / Switching voltage DC	1 V...100 V / 1 V...100 V
Max. switching frequency	15 Hz
Contact assembly	1 NO contact
Contact material	RH/Rd (Reed contact)*
Ambient temperature	0 °C...+55 °C
Storage temperature	-40 °C...+85 °C
Humidity	5...95 % rel. humidity
	T _v = 40°C, no condensation
Approvals	cULus; CE
Standards	EN 50178 (secure separation)
EMC standards	EN 55011, EN 61000-6-1, 2, 3, 4
Rated voltage	300 V
Impulse withstand voltage	6 kV
Insulation voltage	4 kV _{eff} / 1 min.
Overvoltage category	III
Pollution severity	2
Clearance & creepage distances	≥ 5 mm (grout encapsulated)

Dimensions	
Clamping range (nominal / min. / max.)	mm ²
Length x width x height	mm
Note	

Screw connection		
1.5 / 2.5 / 2.5		
92 / 15.3 / 95		
* The peak current should be limited to 100mA when under capacitive loads		

Screw connection		
1.5 / 2.5 / 2.5		
92 / 15.3 / 95		
* The peak current should be limited to 100mA when under capacitive loads		

Ordering data

Type	Qty.	Order No.
PAS CMR 0.5...2.5 A DC	10	8742610000

Type	Qty.	Order No.
PAS CMR 0.5...2.5 A DC	10	8742610000

Type	Qty.	Order No.
PAS CMR 2.0...5.0 A DC	10	8742620000

Note

Note

Note

Accessories

Cross-connectors and markers - refer to WAVESERIES accessories
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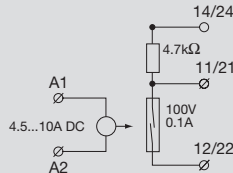
Cross-connectors and markers - refer to WAVESERIES accessories
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Cross-connectors and markers - refer to WAVESERIES accessories
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Relay output

- Monitoring of currents up to 10 A DC
- For use with valves, servocontrols or DC motors
- Pull-up / pull-down resistor 4.7 kΩ

PAS CMR 4.5...10 A DC



Technical data

Input	
Input current	4.5...10 A DC
Max. current	30 A for 10 s
Making current threshold	≤ 4.5 A
Resistance of sensor circuit	50 Ω
Secure off	≤ 600 mA
Pulse duration	min. 1 ms
Output	
Switching current	≤ 100 mA
Switching voltage AC / Switching voltage DC	1 V...100 V / 1 V...100 V
Max. switching frequency	15 Hz
Contact assembly	1 NO contact
Contact material	RH/Rd (Reed contact)*
General data	
Ambient temperature	0 °C...+55 °C
Storage temperature	-40 °C...+85 °C
Humidity	5...95 % rel. humidity
	T _s = 40°C, no condensation
Approvals	cULus; CE
Insulation coordination	
Standards	EN 50178 (secure separation)
EMC standards	EN 55011, EN 61000-6-1, 2, 3, 4
Rated voltage	300 V
Impulse withstand voltage	6 kV
Insulation voltage	4 kV _{eff} / 1 min.
Overtoltage category	III
Pollution severity	2
Clearance & creepage distances	≥ 5 mm (grout encapsulated)

Dimensions		Screw connection
Clamping range (nominal / min. / max.)	mm ²	1.5 / 2.5 / 2.5
Length x width x height	mm	92 / 15.3 / 95
Note		* The peak current should be limited to 100mA when under capacitive loads

Ordering data

Type	Qty.	Order No.
PAS CMR 4,5...10 A DC	10	8742630000

Note	
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Accessories

Cross-connectors and markers - refer to WAVESERIES accessories
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