

# Product data sheet

Specifications

## MiCOM P241-Motor relay-40TE- Panel mounting - 8Inputs/7Outputs



P241---A-M----J

### Main

Range of product	MiCOM P24x
Device short name	P241
Relay application	Motor
Protection type	Synchro-check ANSI code: 25 Breaker failure Earth fault ANSI code: 50G/51G Directional earth fault Field loss (underimpedance) ANSI code: 40 Phase undercurrent ANSI code: 37 Negative sequence overvoltage ANSI code: 47 Overfrequency Directional phase overcurrent Rate of change of frequency ANSI code: 81R Neutral voltage displacement ANSI code: 59N Underspeed (2 set points) ANSI code: 14 Starts per hour ANSI code: 66 Thermal overload protection ANSI code: 49RMS Underfrequency ANSI code: 81L Undervoltage ANSI code: 27 Overvoltage ANSI code: 59 Earth fault wattmetric
Number of inputs	8 discrete 4 analog 4 current input CT...X/5 A and X/1 A 3 voltage
Number of outputs	7 discrete 4 analog
Communication port protocol	IEC 60870-5-103 IEC 61850 DNP3 Modbus RTU Ethernet

### Complementary

Auxiliary supply	24...48 V DC 19...65 V 48...110 V DC 37...150 V 40...100 V AC 32...110 V 110...250 V DC 87...300 V 100...240 V AC 80...265 V
[Us] rated supply voltage	24...48 V DC 19...65 V 48...110 V DC 37...150 V 40...100 V AC 32...110 V 110...250 V DC 87...300 V 100...240 V AC 80...265 V
Control and monitoring type	Circuit breaker/contactors control
Network and machine diagnosis type	Fault recording Event recording Disturbance recording 75 s
Switchgear diagnosis type	VT supervision ANSI code: VTS

CT supervision ANSI code: CTS  
Trip circuit supervision ANSI code: TCS

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<b>Discrete input voltage</b>	24...27 V DC universal programmable voltage thresholds 30...34 V DC universal programmable voltage thresholds 48...54 V DC universal programmable voltage thresholds 110...125 V DC universal programmable voltage thresholds 220...250 V DC universal programmable voltage thresholds
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<b>Communication port support</b>	Fiber optic RS485 RS232
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## Environment

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<b>Height</b>	177 mm total: 157.5 mm embedded:
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<b>Width</b>	206 mm
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<b>Depth</b>	270 mm total: 240 mm embedded:
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<b>Mounting support</b>	Panel
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<b>Mounting mode</b>	Panel-mounted
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## Contractual warranty

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<b>Warranty</b>	18 months
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## Recommended replacement(s)