



# remote advanced UMI module DSM303 Sepam series 20, 40, 60, 80

59608

## Main

Range Of Product	Sepam series 20 Sepam series 40 Sepam series 60 Sepam series 80
Device Short Name	DSM303
User Machine Interface Type	Remote advanced

Complementary	/
Umi Indication	Sepam parameter setting Version of Sepam and remote modules Metering and diagnosis data Protection setting Alarms and operating messages Status of logic imputs
Umi Control	Alarm acknowledgement Output testing Sepam reset
Local Signalling	2 LEDs for Sepam operating status (front face) 9 LEDs for indication of parameters (front face)
Height	117 mm
Width	152 mm
Depth	40 mm
Net Weight	0.3 kg
Mechanical Robustness	Earthquakes in operation (level: 2): 1 Gn (vertical axes) conforming to IEC 60255-21-3  Earthquakes in operation (level: 2): 2 Gn (horizontal axes) conforming to IEC 60255-21-3  Jolts de-energized (level: 2): 20 Gn/16 ms conforming to IEC 60255-21-2  Shocks de-energized (level: 2): 27 Gn/11 ms conforming to IEC 60255-21-2  Shocks in operation (level: 2): 10 Gn/11 ms conforming to IEC 60255-21-2  Vibrations de-energized (level: 2): 2 Gn, 10 Hz150 Hz conforming to IEC 60255-21-1  Vibrations in operation (level: 2): 1 Gn, 10 Hz150 Hz conforming to IEC 60255-21-1  Vibrations in operation (level: Fc): 2 Hz13.2 Hz, a = +/- 1 mm conforming to IEC 60068-2-6

### **Environment**

Ip Degree Of Protection IP52 conforming to IEC 60529

#### **Electromagnetic Compatibility**

Fast transient bursts: (immunity tests-conducted disturbances), A and B, 4kV, 2.5 kHz/2 kV, 5 kHz, conforming to IEC 60255-22-4

Fast transient bursts: (immunity tests-conducted disturbances), IV, 4kV, 2.5 kHz, conforming to IEC 61000-4-4

Immunity to conducted RF disturbances: (immunity tests-conducted disturbances), III, 10 V, conforming to IEC 60255-22-6

Immunity to magnetic fields at network frequency: (immunity tests-radiated disturbances), IV, 30 A/m (continuous)-300 A/m (1-3 s), conforming to IEC 61000-4-8 Immunity to radiated fields: (immunity tests-radiated disturbances), III, 10 V/m, 80 MHz...2 GHz, conforming to IEC 61000-4-3

Surges: (immunity tests-conducted disturbances), III, 2 kV CM, 1 kV DM, conforming to IEC 61000-4-5

1 MHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 1 kV DM, conforming to IEC 60255-22-1

1 MHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 2.5 kV DM, conforming to ANSI C37.90.1

100 kHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 1 kV DM, conforming to IEC 61000-4-12

Conducted disturbance emission: (emission tests), conforming to IEC 60255-25 Conducted disturbance emission: (emission tests), A, conforming to EN 55022 Disturbing field emission: (emission tests), conforming to IEC 60255-25 Disturbing field emission: (emission tests), A, conforming to EN 55022

Electrostatic discharge: (immunity tests-radiated disturbances), 8 kV air, 4 kV contact, conforming to ANSI C37.90.3

Electrostatic discharge: (immunity tests-radiated disturbances), 8 kV air, 6 kV contact, conforming to IEC 60255-22-2

Fast transient bursts: (immunity tests-conducted disturbances), 4kV, 2.5 kHz, conforming to ANSI C37.90.1

Immunity to radiated fields: (immunity tests-radiated disturbances), 10 V/m, 80 MHz... 1 GHz. conforming to IEC 60255-22-3

Immunity to radiated fields: (immunity tests-radiated disturbances), 35 V/m, 25 MHz... 1 GHz, conforming to ANSI C37.90.2

Voltage interruptions: (immunity tests-conducted disturbances), 100 % during 100 ms, conforming to IEC 60255-11

### **Climatic Withstand**

Continuous exposure to damp heat (in operation) : Cab: 10 days, 93 % RH, 40  $^{\circ}\text{C}$  conforming to IEC 60068-2-78

Continuous exposure to damp heat (in storage) : Cab: 56 days, 93 % RH, 40  $^{\circ}\text{C}$  conforming to IEC 60068-2-78

Continuous exposure to damp heat (in storage) : Db: 6 days, 95 % RH, 55  $^{\circ}\text{C}$  conforming to IEC 60068-2-30

Exposure to cold (in storage): Ab: - 25 °C conforming to IEC 60068-2-1
Exposure to dry heat (in operation): Bd: 70 °C conforming to IEC 60068-2-2
Exposure to dry heat (in storage): Bb: 70 °C conforming to IEC 60068-2-2
Salt mist (in operation): Kb/2: 6 days conforming to IEC 60068-2-52

Temperature variation with specified variation rate (in storage) : Nb: - 25 °C to 70 °C, 5 °C/min conforming to IEC 60068-2-14

Influence of corrosion/gaz test 2 (in operation) : 21 days, 75 % RH, 25  $^{\circ}\text{C},$  0.5 ppm H2S, 1 ppm S02 conforming to IEC 60068-2-60

Influence of corrosion/gaz test 4 (in operation): 21 days, 75 % RH, 25 °C, 0.01 ppm H2S, 0.2 ppm S02, 0.2 ppm NO2, 0.01 ppm Cl2 conforming to IEC 60068-2-60 Exposure to cold: Ad: - 25 °C conforming to IEC 60068-2-1

### **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.0 cm
Package 1 Width	13.0 cm
Package 1 Length	18.5 cm
Package 1 Weight	341.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	8
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.927 kg



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Transparency RoHS/REACh

### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information