



PRODUCT-DETAILS

CM-IWS.2S

CM-IWS.2S Insulation monitoring relay 1c/o, 1-100kOhm, 24-240VAC/DC





General Information	
Extended Product Type	CM-IWS.2S
Product ID	1SVR730670R0200
EAN	4016779852616
Catalog Description	CM-IWS.2S Insulation monitoring relay 1c/o, 1-100kOhm, 24-240VAC/DC
Long Description	The CM-IWS.2S serves to monitor insulation resistance in accordance with IEC 61557-8 in unearthed IT AC systems with a voltage up to 400 V AC. The CM-IWS.2 can be configured to the requirements of the applications and therefore used multi-functional.

Ordering	
EAN	4016779852616
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Data Sheet, Technical Information	2CDC112196D0201

Instructions and Manuals	1SVC730550M0001
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	22.5 mm
Product Net Height	85.6 mm
Product Net Depth / Length	103.7 mm
Product Net Weight	0.141 kg

Technical

Function	Unearthed AC systems Up to 400 V AC
Measuring Range	1 ... 100 kΩ
Rated Control Supply Voltage (U_s)	24 ... 240 V AC/DC
Rated Frequency (f)	Measuring Circuit DC Hz Measuring Circuit 15 ... 400 Hz Supply Circuit 50/60 Hz
Output	1 c/o (SPDT) contact
Terminal Type	Screw Terminals
Rated Operational Current AC-12 (I_{θ})	(230 V) 4 A
Rated Operational Current AC-15 (I_{θ})	(230 V) 3 A
Rated Operational Current DC-12 (I_{θ})	(24 V) 4 A
Rated Operational Current DC-13 (I_{θ})	(24 V) 2 A
Minimum Switching Capacity	24 V 10 mA
Rated Impulse Withstand Voltage (U_{imp})	Measuring Circuit / Output Circuit 6 kV Supply Circuit / Measuring Circuit 6 kV Supply Circuit / Output Circuit 6 kV
Rated Insulation Voltage (U_i)	Measuring Circuit / Output Circuit 400 V Supply Circuit / Measuring Circuit 400 V Supply Circuit / Output Circuit 300 V
Degree of Protection	Housing IP50 Terminals IP20
Overvoltage Category	III
Pollution Degree	3
Short-Circuit Protective Devices	Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
System Leakage Capacitance (C_E)	10 μF
Electrical Durability	AC-12 100000 cycle

Mechanical Durability	30000000 cycle
Connecting Capacity	Flexible with Ferrule 1x 0.5 ... 2.5 mm ² Flexible with Ferrule 2x 0.5 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ² Flexible 1x 0.5 ... 2.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 1x 0.5 ... 4 mm ² Rigid 2x 0.5 ... 2.5 mm ²
Tightening Torque	0.6 ... 0.8 N·m
Wire Stripping Length	8 mm
Recommended Screw Driver	0.8 x 4
Mounting Position	1 ... 6
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Standards	CAN/CSA C22.2 No.14 IEC/EN 63000 IEC/EN 61326-2-4 IEC/EN 61557-1 IEC/EN 61557-8 UL 508
Technical UL/CSA	
Maximum Operating Voltage UL/CSA	Output Circuit 300 V AC
Contact Rating UL/CSA	B300
Connecting Capacity UL/CSA	Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-14 AWG
Tightening Torque UL/CSA	7.08 in·lb
Pilot Duty UL/CSA	B300
Flammability According to UL94	V-0
Environmental	
Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m
REACH Declaration	1SVD981001-4501
RoHS Information	1SVD981011-00
RoHS Status	Following EU Directive 2011/65/EU
Circular Value	
End of Life Instructions	1SAC200290H0001

Certificates and Declarations

CB Certificate	CB_DK-30302-A1-UL
CCC Certificate	CCC_2010010303438770
CQC Certificate	CQC2010010303438770
cULus Certificate	cULus508_20120727-E140448
Declaration of Conformity - CCC	2020980303000184
Declaration of Conformity - CE	1SVD981011-00
Declaration of Conformity - UKCA	1SVD981011-10
DNV GL Certificate	DNV_GL_TAA000017C
EAC Certificate	EAC_RU_C-DE.ME77.B.03424

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	97 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Height	109 mm
Package Level 1 Gross Weight	0.166 kg
Package Level 1 EAN	4016779852616

Classifications

Object Classification Code	B
ETIM 7	EC001444 - Insulation and earth fault monitoring relay
ETIM 8	EC001444 - Insulation and earth fault monitoring relay
ETIM 9	EC001444 - Insulation and earth fault monitoring relay
eClass	V11.0 : 27371807
UNSPSC	39122331
E-Number (Finland)	2712262
E-Number (Sweden)	3860656

Categories

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Insulation Monitors

