



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

EPLAN Data

9AAC132584 EPLAN

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	Nr. Operations 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

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SVD981001-4501
RoHS Information	1SVD981001-4401
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	6e90abea-2bca-476c-a55d-3d52e72f31a6 Germany 35d73baf-40ae-4b6a-8b1f-ef8f2e6807b0 Greece 9e8c6f95-aedc-4147-b5f5-11568ad9766e Netherlands 251f6b68-f3be-4f19-8c57-6b8689d50802 Belgium 15a54f8f-aa2a-4e21-857d-a8b620c2a974 Finland 30dad67f-5720-4e0e-81c0-7effee1fa5e0 Bulgaria 64f61e39-04c4-47a9-a400-3ba58bdcb7a5 Germany 36edddad8-1a07-4cf7-85f1-34a434906bfd Portugal 31c251e1-5237-43ea-820c-cb6572ceddc4 Spain ae86fa21-4cd2-4dba-b337-712a46a7b734 France 1164c863-15c6-4e4b-931b-b31ed67787ab Belgium 3b766046-0b62-4bb3-8b2d-2c174e3fe7b2 Hungary e95f9509-f56b-4ef6-9f49-59a1fe22a71b Sweden 99e7a826-3e70-4876-908a-7fd56eb0f6ad France 52e6bad6-78a7-4754-bfef-083ddb89ab3 Croatia c996b1b9-c822-4cf4-800e-5d67d2e8dc7d Norway acefd990-e6c0-4022-8039-9fe7d4795584 Poland 49dc457e-4602-43bd-91bc-4b30e6ce0202 Sweden 87755443-0708-4efd-940b-297761be4e85 Estonia 182bf675-3962-424f-aa2c-509d4295cbb9 Poland 21e8c70b-6b3a-4d10-b0dc-62b007c22962 Czech Republic f9f6b51b-e869-4eed-a0ea-e5ee215555df Germany 1018b2cc-e3a8-427b-b24f-8647736714f9 Germany c48b2993-b130-4447-98a9-8ecbcb6c479 Hungary 3af7b15c-2998-48df-bc98-8a19e2a6fe96 Poland a18ae28c-852c-4810-a4f9-ebc8cbbe6425 Denmark 9693673f-8f61-4785-815a-11baece1d375 Italy 56284c03-90ae-42c9-99ea-b184886d081d Germany
Simplified SCIP	
Toxic Substances Control	2CMT2023-006536

Act - TSCA

ABB EcoSolutionsEnvironmental Product
Declaration - EPD

1SAC200438H0001

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

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

External Classifications and Standards

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 (Norway)	4187800
E-Number (Sweden)	3860656

Categories

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



360°