

CM-ESS.1S

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General Information

Extended Product Type:	CM-ESS.1S
Product ID:	1SVR730830R0300
EAN:	4016779852159
Catalog Description:	CM-ESS.1S Voltage monitoring relay
Long Description:	CM-ESS.1S Voltage monitoring relay 1c/o, B-C=3-600VRMS, 24- 240VAC/DC Replacement for 1SVR430830R0300



Categories

Products » Low Voltage Products and Systems » Control Products »
Electronic Relays and Controls » Single Phase Monitors

Ordering

EAN:	4016779852159
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	97.0 mm
Package Level 1 Height:	109.0 mm
Package Level 1 Length:	30.0 mm
Package Level 1 Gross Weight:	0.157 kg

Dimensions

Product Net Width:	22.5 mm
Product Net Depth:	103.7 mm
Product Net Height:	85.6 mm
Product Net Weight:	0.135 kg

Technical

Function:	Over- or undervoltage monitoring
Measuring Range:	3 ... 30 V 6 ... 60 V 30 ... 300 V 60 ... 600 V
Rated Control Supply Voltage (U_g):	24 ... 240 V AC/DC
Output:	1 c/o (SPDT) contact
Terminal Type:	Screw Terminals
Rated Operational Current AC-12 (I_g):	(230V) 4.000 A
Rated Operational Current DC-12 (I_g):	(24V) 4.000 A
Rated Operational Current DC-13 (I_g):	(24V) 2.000 A
Rated Impulse Withstand Voltage (U_{imp}):	Output Circuit 4 kV
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
Connecting Capacity:	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
Mounting Position:	Any
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:	IEC/EN 60255-1 IEC/EN 60255-27 EN 50178

Environmental

Ambient Air Temperature:	Operation -20 ... +60 °C Storage -40 ... +85 °C
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Output Circuit 300 V AC
Contact Rating UL/CSA:	B300
Connecting Capacity UL/CSA:	Flexible 1x 20 ... 14 AWG Flexible 2x 20 ... 16 AWG Rigid 1x 20 ... 12 AWG Rigid 2x 20 ... 14 AWG
Tightening Torque UL/CSA:	5.31 ... 7.08 in·lb

Certificates and Declarations (Document Number)

CB Certificate:	CB_DK-28255-UL
CCC Certificate:	CCC_2007010303243843.pdf
cULus Certificate:	cULus508_20120203-E140448
Declaration of Conformity - CE:	1SAD938500-0202
EAC Certificate:	EAC_RU_C-DE.ME77.B.01012
GL Certificate:	GL_61765-14HH
RMRS Certificate:	RMRS_12.04009.250
RoHS Information:	1SAA981056-4401

Classifications

Object Classification Code:	B
E-nummer:	3860618
ETIM 4.0:	EC001438 - Voltage monitoring relay
ETIM 5.0:	EC001438 - Voltage monitoring relay
eClass:	7.0 27371801