

PRODUCT-DETAILS

# CM-ESS.2P

## CM-ESS.2P Voltage monitoring relay 2c/o, B-C=3-600VRMS, 24-240VAC/DC



### Algemene informatie

Type	CM-ESS.2P
Artikelnummer	1SVR740830R0400
EAN	4016779852401
Omschrijving	CM-ESS.2P Voltage monitoring relay 2c/o, B-C=3-600VRMS, 24-240VAC/DC

Omschrijving

The CM-ESS.2P is a single-functional voltage monitoring relay from the CM single-phase monitors range. This monitoring relay operates with a rated control supply voltage of 24 - 240 V AC / DC and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. It provides a RMS measuring principle for DC and AC voltages with 4 measuring ranges: 3-30 V, 6-60 V, 30-300 V and 60-600 V and works according to the open-circuit principle. The CM-ESS.2P is configurable for over- or undervoltage monitoring. The hysteresis is adjustable within a range of 3 to 30 % of the threshold value and the tripping delay is adjustable over a range of instantaneous to 30 s (0, 0.1-30 s). A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers maintenance free Easy Connect Technology with push-in terminals.

### Ordering

EAN	4016779852401
Minimale bestelhoeveelheid	1 stuk
Numero douanetarief	85364900

### Popular Downloads

Gegevensblad, technische informatie	2CDC112172D0201
Instructies en	1SVC730710M1000

handleidingen	1SVC730710M0000
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Product netto breedte	22.5 mm
Product netto hoogte	85.6 mm
Product netto diepte	103.7 mm
Product netto gewicht	0.142 kg

## Technical

Functie	Over- of onderspanningsbewaking
Meetbereik	3 ... 30 V 6 ... 60 V 30 ... 300 V 60 ... 600 V
Tijdbereik	0 s or 0.1 ... 30 s tripping delay (ON)
Nominaal stuurvoltage ( $U_s$ )	24 ... 240 V AC/DC
Uitgang	2 c/o (SPDT) contacts
Terminaltype	Screwless Terminals
Nominale bedrijfsstroom AC-12 ( $I_{\theta}$ )	(230 V) 4 A
Nominale bedrijfsstroom AC-15 ( $I_{\theta}$ )	(230 V) 3 A
Nominale bedrijfsstroom DC-12 ( $I_{\theta}$ )	(24 V) 4 A
Nominale bedrijfsstroom DC-13 ( $I_{\theta}$ )	(24 V) 2 A
Minimale schakelcapaciteit	24 V 10 mA
Nominale impuls grensvoltage ( $U_{imp}$ )	Measuring Circuit / Output Circuit 6 kV Output Circuit 1 / Output Circuit 2 4 kV Output Circuit 4 kV Supply Circuit / Measuring Circuit 6 kV Supply Circuit / Output Circuit 4 kV
Nominaal isolatievoltage ( $U_i$ )	Measuring Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 250 V Supply Circuit / Measuring Circuit 600 V Supply Circuit / Output Circuit 250 V
Beschermingsgraad	Behuizing IP50 Terminals IP20
Overspanningscategorie	III
Verontreinigingsgraad	3
Beschermende apparaten met kortsluiting	Output Circuit NC - F Type Fuses 10 A Output Circuit NO - F Type Fuses 10 A
Elektrische duurzaamheid	AC-12 100000 cycle
Mechanische duurzaamheid	30000000 cycle
Verbindingscapaciteit	Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 2x 0.5 ... 1.5 mm <sup>2</sup>
Kabelstriplengte	8 mm
Plaats van inbouw	1 ... 6
Montage op 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
Normen	CAN/CSA C22.2 No.14 IEC/EN 63000 IEC/EN 60255-27 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 508

## Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Output Circuit 300 V AC
Contactklasse UL/CSA	B300
Verbindingscapaciteit UL/CSA	Flexible 2x 18-16 AWG Rigid 2x 20-16 AWG
Testwerking van contactelementen vlg. UL508	B300
Ontvlambaarheid volgens UL94	V-0

## Environmental

Omgevingsluchttemperatuur	Werking -20 ... +60 °C Opslag -40 ... +85 °C
Maximale werkhoogte toegestaan	Without Derating 2000 m
RoHS-status	Following EU Directive 2011/65/EU

## Circular Value

End of Life Instructions	1SAC200290H0001
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## Certificates and Declarations

CB-certificaat	CB_DK-28255-UL
CQC-certificaat	CQC2007010303243843
cULus-certificaat	cULus508_20120203-E140448
Declaration of Conformity - CCC	2020980303000196
Conformiteitsverklaring - CE	1SVD981013-00
Declaration of Conformity - UKCA	1SVD981013-10
DNV GL-certificaat	DVN_GL_TAA0000292
EAC-certificaat	EAC_RU_C-DE.ME77.B.03424

## Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	97 mm
Pakketniveau 1 Lengte	30 mm
Pakketniveau 1 Hoogte	109 mm
Pakketniveau 1 Bruto gewicht	0.164 kg
Pakketniveau 1 EAN	4016779852401

## Classifications

Object classificatiecode	B
ETIM 7	EC001438 - Voltage monitoring relay
ETIM 8	EC001438 - Spanningsmeetrelais
ETIM 9	EC001438 - Spanningsmeetrelais
eClass	V11.0 : 27371801
UNSPSC	39122332
E-Number (Finland)	2712247
E-Number (Sweden)	3860642

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## Categorieën

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Laagspanningsproducten en -systemen → Control Producten → Elektronisch relais en bediening → Eenfasige monitoren  
Middenspanningsproducten → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)

