

General Information

Extended Product Type:	CM-PVS.31S
Product ID:	1SVR730794R1300
EAN:	4016779851831
Catalog Description:	CM-PVS.31S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x160-300VAC
Long Description:	The CM-PVS.31S relay is from the CM three-phase monitors range. This relay operates with a rated control supply voltage / three-phase measuring voltage of 160-300 V AC and has a 2 c/o output with contacts rated at 250 V / 4 A. The CM-PVS.31S monitors the phase parameters over/undervoltage and phase failure. The corresponding threshold values are adjustable. Phase sequence monitoring as well as an ON or OFF tripping delay are selectable. The tripping delay is adjustable over a range of instantaneous to 30 s (0, 0.1-30 s). A sea table transparent cover for protection against unauthorized changes is available as accessory. The device offers screw connection technology with double-chamber cage connection terminals.

Additional Information

Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +85 °C
CCC Certificate:	CCC_2009010303326655
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
Connecting Capacity UL/CSA:	Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-14 AWG
Contact Rating UL/CSA:	B300
Country of Origin:	Germany (DE)
Customs Tariff Number:	85364900
Data Sheet, Technical Information:	2CDC112211D0201
Declaration of Conformity - CE:	1SVD981014-0002
Degree of Protection:	Housing IP50 Terminals IP20
E-number:	3860583
EAC Certificate:	EAC_RU_C-DE.ME77.B.01012
EAN:	4016779851831
EPLAN Catalog Tree:	Electrical engineering / Relays, contactors / General
ETIM 4:	EC001441 - Phase monitoring relay
ETIM 5:	EC001441 - Phase monitoring relay
ETIM 6:	EC001441 - Phase monitoring relay
Electrical Durability:	AC-12 100000 cycle
Environmental Information:	1SAA981020-2401
Function:	Phase failure detection Phase sequence monitoring Over- and undervoltage monitoring
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0

Industrial IT Certification Level:	U
Instructions and Manuals:	1SVC730510M0000
Invoice Description:	CM-PVS.31S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x160-300VAC
Maximum Operating Voltage UL/CSA:	Output Circuit 300 V AC
Measurement Threshold:	Adjustable
Measuring Range:	(L-L) 160 ... 300 V AC
Mechanical Durability:	30000000 cycle
Minimum Order Quantity:	1 piece
Minimum Switching Capacity:	24 V 10 mA
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
Object Classification Code:	B
Output:	2 c/o (SPDT) contacts
Overvoltage Category:	III
Package Level 1 EAN:	4016779851831
Package Level 1 Gross Weight:	0.166 kg
Package Level 1 Height:	109 mm
Package Level 1 Length:	30 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	97 mm
Pollution Degree:	3
Power Loss:	Approximately 2 W
Product Main Type:	CM-PVS
Product Name:	Three-Phase Monitoring Relay
Product Net Depth:	103.7 mm
Product Net Height:	85.6 mm
Product Net Weight:	0.141 kg
Product Net Width:	22.5 mm
RMRS Certificate:	RMRS_1740020250
Rated Control Supply Voltage (U _s):	(L-L) 160 ... 300 V AC
Rated Frequency (f):	Supply Circuit 50/60 Hz
Rated Impulse Withstand Voltage (U _{imp}):	Input Circuit 6 kV Output Circuit 4 kV
Rated Insulation Voltage (U _i):	Input Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 V
Rated Operational Current AC-12 (I _e):	(230 V) 4 A
Rated Operational Current AC-15 (I _e):	(230 V) 3 A
Rated Operational Current DC-12 (I _e):	(24 V) 4 A
Rated Operational Current DC-13 (I _e):	(24 V) 2 A
Regulatory Compliance Mark (RCM):	Yes
RoHS Date:	1146
RoHS Information:	1SVD981014-0002
RoHS Status:	Following EU Directive 2011/65/EC
Selling Unit of Measure:	piece
Short-Circuit Protective Devices:	Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
Standards:	EN 50581 IEC/EN 60255-27 IEC/EN 61000-6-2

IEC/EN 61000-6-3
UL 508
CAN/CSA C22.2 No.14

Terminal Type:	Screw Terminals
Tightening Torque:	0.6 ... 0.8 N·m
Tightening Torque UL/CSA:	7.08 in·lb
Time Range:	200 ms start-up delay 0 s or 0.1-30 s tripping delay (ON or OFF)
Wire Stripping Length:	8 mm
cULus Certificate:	cULus508_20120829-E140448
eClass:	7.0 27371803
DNV GL Certificate:	DNV_GL_TAA000017D