

PRODUCT-DETAILS

CM-UFD.M31M

CM-UFD.M31M Grid feeding monitoring rel. 3c/o,L-L=0-540VAC,L-N=0-312VAC,ModbusRTU



Informations générales

Extension du type de produit	CM-UFD.M31M
Code de produit	1SVR560731R3701
EAN	4013614521126
Description courte	CM-UFD.M31M Grid feeding monitoring rel. 3c/o,L-L=0-540VAC,L-N=0-312VAC,ModbusRTU

Description longue	<p>The CM-UFD.M31M is a multi-functional grid feeding monitoring relay with Modbus RTU communication interface, which provides interface protection and is to be installed between a renewable energy system and the public grid. This innovative relay guarantees grid stability and seeks to prevent blackouts. If the voltage or frequency magnitudes of the public grid are outside the permitted range, then the device changes status and acts to disconnect the renewable energy system from the public grid by sending a signal to a decoupling unit (e.g. contactor, switch disconnecter or circuit breaker). As soon as the grid is stable again, the system may automatically reconnected. The CM-UFD.M31M provides different monitoring functions including over-/undervoltage and over-/underfrequency as well as rate of change of frequency (RoCoF) and vector shift monitoring functions, which detect a loss of mains event. This grid feed monitoring relay is certified in accordance to VDE-AR-N 4105, VDE-AR-N 4110 & VDE-AR-N 4120 and may be connected to the state-of-the-art cloud solution, ABB Ability Energy and Asset Manager.</p>
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Commande

EAN	4013614521126
Quantité minimum	1 pièce
Code douanier	85364900

Downloads Préférés

Fiche produit, informations techniques	2CDC112270D0201
Instructions et manuels	1SVC560515M0000
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Produit Largeur Net	108 mm
Produit Hauteur Net	90 mm
Produit Longueur Net	67 mm
Poids net	0.312 kg

Technique

Fonction	Over- and undervoltage monitoring Interrupted neutral monitoring Over- and underfrequency monitoring 10 minutes average value monitoring Vector shift detection ROCOF monitoring
Plage de mesure	0 ... 540 V AC
Rated Control Supply Voltage (U_s)	24 ... 240 V AC/DC
Sortie	3 c/o (SPDT) contacts
Type de borne	Screw Terminals
Rated Operational Current AC-12 (I_{θ})	(230 V) 4 A
Courant assignée d'emploi AC-15 (I_{θ})	(230 V) 3 A
Rated Operational Current DC-12 (I_{θ})	(24 V) 4 A
Courant assignée d'emploi DC-13 (I_{θ})	(24 V) 2 A
Minimum Switching Capacity	24 V 10 mA
Indice de protection	Housing IP20 Terminals IP20
Degré de pollution	3
Dispositif de protection contre les courts-circuits	Output Circuit NC - F Type Fuses 10 A Output Circuit NO - F Type Fuses 10 A
Electrical Durability	AC-12 100000 cycle
Durabilite mecanique	30000000 cycle
Connecting Capacity	Flexible with Ferrule 1x 0.25 ... 4.0 mm ² Flexible with Ferrule 2x 0.25 ... 0.75 mm ² Flexible with Insulated Ferrule 1x 0.25 ... 4.0 mm ² Flexible with Insulated Ferrule 2x 0.25 ... 0.75 mm ² Flexible 1x 0.2 ... 4.0 mm ² Flexible 2x 0.2 ... 1.5 mm ² Rigid 1x 0.2 ... 6.0 mm ² Rigid 2x 0.2 ... 1.5 mm ²
Couple de serrage	0.5 ... 0.6 N·m
Wire Stripping Length	8 mm
Type d'encastrement	1 ... 6
Montage sur rail DIN	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Normes et standards	VDE-AR-N 4105

VDE-AR-N 4110
VDE-AR-N 4120

Technique UL/CSA

Connecting Capacity UL/CSA	Flexible with Ferrule 1x 24-12 AWG Flexible with Ferrule 2x 24-18 AWG Flexible with Insulated Ferrule 1x 24-12 AWG Flexible with Insulated Ferrule 2x 24-18 AWG Flexible 1x 24-12 AWG Flexible 2x 24-16 AWG Rigid 1x 24-10 AWG Rigid 2x 24-16 AWG
Tightening Torque UL/CSA	4.4 ... 5.3 in-lb

Environnement

Température de l'air ambiant	Operation -20 ... +60 °C Storage -25 ... +50 °C
REACH Declaration	1SVD981001-4501
Informations RoHS	1SVD981056-0001
Statut RoHS	Following EU Directive 2011/65/EU

Certificats et Déclarations (Numéro de document)

Certificat ecULus	cULus508_20170830-E140448
Déclaration de Conformité - CE	1SVD981056-0001
Declaration of Conformity - UKCA	1SVD981056-1000
EAC Certificate	EAC_RU_C-DE.ME77.B.00417-19
Certificat TÜV	TUEV_AR-N4110_500810200-2019 TUEV_BDEW_CM-UFD_M31 TUEV_AoC_44254-53768-01 TUEV_BDEW_D8_17_11_44254_017

Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	121 mm
Emballage Niveau 1 Longueur	71 mm
Emballage Niveau 1 Hauteur	99 mm
Emballage Niveau 1 Poids	0.365 kg
Emballage Niveau 1 EAN	4013614521126

Classifications

Code de classification d'objet	B
ETIM 7	EC001438 - Voltage monitoring relay
ETIM 8	EC001438 - Voltage monitoring relay
ETIM 9	EC001438 - Voltage monitoring relay
eClass	V11.0 : 27371801

Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Contrôleurs d'alimentation réseau

