

PRODUCT-DETAILS

# TEF4-ON

## TEF4-ON Frontal Electronic Timer



### Informations générales

Extension du type de produit	TEF4-ON
Code de produit	1SBN020112R1000
EAN	3471523130630
Description courte	TEF4-ON Frontal Electronic Timer

Description longue	<p>TEF4-ON is a frontal electronic timer used to realize the timing function and allow a compact solution in the cabinet compared to separate timers. TEF4 electronic timers are front-mounted and locked on AF, AFC contactors or NF, NFC contactor relays. A mechanical indicator allows to show the state of the contactor. TEF4 electronic timers are supplied by a direct plug-in parallel connection to the coil terminals A1 - A2 of the contactor or contactor relay. A varistor is integrated on the timer to offer a built-in protection against surges in the contactor coil. The TEF4 is available for a wide control voltage range 24...240 V AC/DC. TEF4 allow time-delayed functions up to 100 s in 3 distinct time ranges, independently of the control system. The time delay ranges are selected by a switch and the time delay can be adjusted by means of a rotary switch. The timing function of TEF4-ON is activated by closing the device on which the timer is mounted.</p>
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### Commande

Quantité minimum	1 pièce
Code douanier	85389091
Groupe de produit	Accessories for Block Contactors

### Downloads Préférés

Instructions et manuels	1SBC101026M6801
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	43 mm
Produit Longueur Net	67.7 mm
Produit Hauteur Net	41.6 mm
Poids net	0.065 kg

## Technique

Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Rigid Solid 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid Stranded 1/2x 1 ... 2.5 mm <sup>2</sup>
Maximum Electrical Switching Frequency	(AC-15) 1200 cycles per hour (DC-13) 900 cycles per hour
Maximum Mechanical Switching Frequency	3600 cycles per hour
Type d'encastrement	Mounting positions 1, 1 +/- 30°, 2, 3, 4, 5
Number of Auxiliary Contacts CO (SPDT)	0
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Nombre de pôles	2
Power Loss	at 3 A per Pole 0.1 W
Fréquence assignée (f)	Circuit auxiliaire 50 / 60 Hz Circuit de commande 50 / 60 Hz
Tension assignée de tenue aux chocs (U <sub>imp</sub> )	4 kV
Tension assignée d'isolement (U <sub>i</sub> )	acc. to IEC 60947-5-1 400 V acc. to UL/CSA 300 V
Courant assignée d'emploi AC-15 (I <sub>e</sub> )	(24 / 127 V) 3 A (220 / 240 V) 1.5 A
Courant assignée d'emploi DC-13 (I <sub>e</sub> )	(24 V) 1 A / 24 W
Tension	Circuit auxiliaire 240 V AC Circuit auxiliaire 24 V DC
Courant assigné de courte durée admissible (I <sub>cw</sub> )	for 0.1 s 8 A for 1 s 8 A
Setting Range	0.1 ... 100 second [unit of time]
Normes et standards	IEC/EN 60947-5-1, UL 508, CSA C22-2 No. 14-18
Adapté pour	AF09 AF09Z AF12 AF12Z AF16 AF16Z AF26 AF26Z AF30 AF30Z AF38 AF38Z AF40 AF52 AF65

AF80  
 AF96  
 AFC09  
 AFC12  
 AFC16  
 AFC26  
 AFC30  
 AFC38  
 NF22E  
 NFZ22E  
 NF31E  
 NFZ31E  
 NF40E  
 NFZ40E  
 NFC22E  
 NFC31E  
 NFC40E

Type de borne	Screw Terminals
Couple de serrage	Auxiliary Circuit 1.2 N·m
Timer Relay Type	ON-Delay

## Technique UL/CSA

Pilot Duty UL/CSA	B300 R300
Tightening Torque UL/CSA	Auxiliary Circuit 11 in·lb

## Environnement

Température de l'air ambiant	Close to Contactor for Storage -40 ... +80 °C Operation -25 ... +70 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Courant thermique conventionnel à l'air libre (I <sub>th</sub> )	acc. to IEC 60947-5-1, $\Theta = 40$ °C 5 A
Indice de protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
Altitude de fonctionnement maximale autorisée	Without Derating 2000 m
REACH Declaration	2CMT2021-006202
Resistance to Vibrations acc. to IEC 60068-2-6	5 ... 300 Hz 3 g Closed position / 2 g Open position
Informations RoHS	2CMT2021-006277
Statut RoHS	Following EU Directive 2011/65/EU
WEEE B2C / B2B	Business To Business
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificats et Déclarations (Numéro de document)

Certificat ABS	ABS_20-2060694-PDA
CB Certificate	CB_CN46281
CCC Certificate	CCC_2012010303572179
CQC Certificate	CQC2012010303572179
Declaration of Conformity - CCC	2020980303000172
Déclaration de Conformité - CE	1SBD250008U1000

Declaration of Conformity - UKCA	1SBD250039U1000
Certificat UL	UL-US-L252354-192-31702102-2 UL-CA-L252354-392-31702102-2
UL Listing Card	UL_E252354

## Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	82 mm
Emballage Niveau 1 Longueur	56 mm
Emballage Niveau 1 Hauteur	51 mm
Emballage Niveau 1 Poids	0.065 kg
Emballage Niveau 1 EAN	3471523130630
Emballage Niveau 2 Unités	box 80 pièce
Emballage Niveau 2 Largeur	254 mm
Emballage Niveau 2 Longueur	319 mm
Emballage Niveau 2 Hauteur	200 mm
Emballage Niveau 2 Poids	5.2 kg

## Classifications

eClass	V11.0 : 27371308
E-Number (Finland)	3706012
E-Number (Sweden)	3210205
ETIM 6	EC002060 - bloc de temporisation
ETIM 7	EC002060 - Timer block
ETIM 8	EC002060 - Timer block
ETIM 9	EC002060 - Timer block
Code de catégorie granulaire IDEA (IGCC)	4746 >> Timer controls
Code de classification d'objet	K
UNSPSC	39121523

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Block Contactors Accessories

