

NEW



- With its compact dimensions ideal for building installation
- Wide range of adjustable time functions
- Choice of connection technology: screw or tension clamp
- Wide voltage range: Input with 24 - 230 Vac, 50/60 Hz and 24 - 48 Vdc
- Lockable adjustments
- Status indicator for input and output
- High immunity against electromagnetic interference
- Star/Delta Star function
- International approvals UL, CSA and CE-conformity

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Electronic timer

Electronic timer

BT-Series

Approvals:



Technical data

Input

Rated voltage	24...230 Vac, 50/60 Hz, 24...48 Vdc
Voltage tolerance	85...110% of the rated voltage
Reset voltage	Max. 2.4 Vac/Vdc
Power consumption	
- Vac	21...33 VA at 230 V
- Vdc	0.6...1.3 W at 24 V
Power reset	Min. 0.1 s (BTDS: 0.5 s)

Isolation

Isolation resistance	100 MΩ min., at 500 Vdc
Dielectric strength	
- between input and output	2000 Vac, 50/60 Hz, 1 min
- to the housing	2000 Vac, 50/60 Hz, 1 min
- between contacts not located next to each other	1000 Vac, 50/60 Hz, 1 min
Protection category	IP30, Terminal block IP20

Output

Contact	1 Change-over contact (BTDS 2 NO)
Contact material	AgNi 90/10
Control output	Contact output: 5 A at 250 Vac, resistive load (cos φ=1)
Service life	Min. 10 ⁷ switching operations (no load, 1'800/h)
- mechanical	Min. 10 ⁵ switching operations
- electrical	(5 A at 250 Vac, resistive load at 1'800/h)
Time range	0.10 s...120 h
Accuracy of operating time	± 1 %

Status indicators

Input	LED status indicator: Operating voltage
Output	LED status indicator: Relay output active

Other data

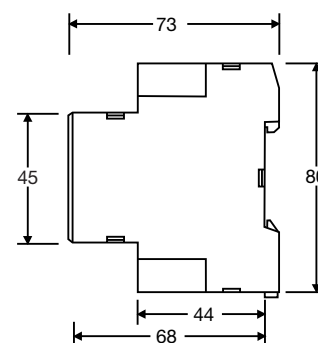
Flammability class according to UL 94	V-2
Ambient temperature	-10...+55 °C (without dewing)
Storage temperature	-25...+65 °C (without dewing)
Weight, typ.	85 g
Dimensions (Width, Height, Length)	17.5 x 73 x 80 mm

Approvals

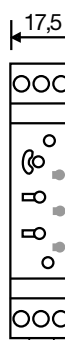
BTDS



Dimensions



Screw connection



Tension clamp connection



Accessories

Locking pen

Product overview

	BTM	BTMF	BTR	BTTT	BTDS
Function					
Response delay	X	X	X		
Pulse generator (begins in the zero position)	X	X		X	
Pulse generator (begins in the operating position)	X				
Signal ON/OFF delay	X				
Turn-off delay	X				
Wiping contact	X	X			
Response delay and Turn-off delay	X				
Pulse generator with response delay	X	X			
Pulse generator/start				X	
Star/Delta					X
Screw connection	8647700000	8647680000	8647720000	8647740000	8647660000
Tension clamp connection	8647710000	8647690000	8647730000	8647750000	8647670000
BT Lock Pen	8659840000	8659840000	8659840000	8659840000	8659840000

Further products and product informations on request

508 22.2 Nr. 14

EN 61812-1, IEC 60664-1, IEC 60947-5-1, EN 61812-1, IEC 60664-1, IEC 60947-5-1 EN 55011 und EN 50082-2