



CB TEST CERTIFICATE

Ref. Certificate No.

BE-2538

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Issued by:	SGS Belgium NV - Division SGS CEBEC		
Product:	Thermal overload relays		
Applicant:	ABB Stotz-Kontakt GmbH	Eppelheimer Strasse, 82 PO Box 101680 69123 HEIDELBERG	Germany
Manufacturer:	ABB Stotz-Kontakt GmbH	Eppelheimer Strasse, 82 PO Box 101680 69123 HEIDELBERG	Germany
Factory:	ABB Stotz-Kontakt GmbH	Eppelheimer Strasse, 82 PO Box 101680 69123 HEIDELBERG	Germany
Rating and principal characteristics:	See page 2		
Trade mark (if any):	ABB		
Type of Manufacturer's Testing Laboratories used:	WMT		
Model/Type reference:	Series TF42 and series TA40		
Additional information:	See page 2		
Sample of product tested to be in conformity with IEC:	60947-4-1(ed.2);am1;am2 60947-5-1(ed.3);am1		
Test Report Ref. No:	58293102/00 up to 58293102/47 and 58293103/00 up to 58293103/10		

This CB Test Certificate is issued by the National Certification Body:

SGS Belgium NV - Division SGS CEBEC
Riverside Business Park Avenue Internationalelaan 55 Build. D B - 1070
Brussels, Belgium

Signed by: Calogero LANA

Date of issue: 2010-09-07

SGS



Ratings:

number of poles	:	3
rated operational voltage (Ue)	:	690 V
conventional free air thermal current (Ith)	:	From 0,1 A up to 40 A
rated frequency	:	50 / 60 Hz
rated duty	:	uninterrupted duty
rated prospective short-circuit current "I _r "	:	1 kA ≤ 16 A and 3 kA > 16 A
rated conditional short-circuit current (I _q)	:	35 kA
SCPD	:	Fuses
rated insulation voltage (Ui)	:	690 V
rated impulse withstand voltage (U _{imp})	:	6 kV
degree of protection	:	IP 20
type of terminals	:	screw type
trip class	:	10

Further Data:

The TA40 and TF42 devices are three pole thermal overload relays which are ambient temperature compensated and phase loss sensitive.

The TA40 is intended to be mounted to the certified ABB Contactor Series A09 up to A40.

The TF42 is intended to be mounted to the certified ABB Contactor Series AF09 up to AF38.

The TA40 and TF42 alternatively can be mounted to the ABB single mounting kit DB42.

All requirements acc. to GB14048.4-2003 and GB14048.1-2006 are met.

The additional Damp Heat Test has been performed

The auxiliary contacts block (NC/NO), has been tested according to IEC/EN60947-5-1

Utilization Category AC-15 / DC-13, U_e Max = 600 V

Product References:

Thermal overload relay Series TF42 and Series TA40:

Type designation		Current range	Fuse
TF42/0,13	TA40/0,13	0,10-0,13 A	0,5 A T
TF42/0,17	TA40/0,17	0,13-0,17 A	1 A T
TF42/0,23	TA40/0,23	0,17-0,23 A	1 A T
TF42/0,31	TA40/0,31	0,23-0,31 A	1 A T
TF42/0,41	TA40/0,41	0,31-0,41 A	2 A gG
TF42/0,55	TA40/0,55	0,41-0,55 A	2 A gG
TF42/0,74	TA40/0,74	0,55-0,74 A	4 A gG
TF42/1,0	TA40/1,0	0,74-1,0 A	6 A gG
TF42/1,3	TA40/1,3	1,0-1,3 A	6 A gG
TF42/1,7	TA40/1,7	1,3-1,7 A	10 A gG
TF42/2,3	TA40/2,3	1,7-2,3 A	10 A gG
TF42/3,1	TA40/3,1	2,3-3,1 A	10 A gG
TF42/4,2	TA40/4,2	3,1-4,2 A	20 A gG
TF42/5,7	TA40/5,7	4,2-5,7 A	20 A gG
TF42/7,6	TA40/7,6	5,7-7,6 A	35 A gG
TF42/10	TA40/10	7,6-10 A	35 A gG
TF42/13	TA40/13	10-13 A	40 A gG
TF42/16	TA40/16	13-16 A	40 A gG
TF42/20	TA40/20	16-20 A	63 A gG
TF42/24	TA40/24	20-24 A	63 A gG
TF42/29	TA40/29	24-29 A	63 A gG
TF42/35	TA40/35	29-35 A	80 A gG
TF42/38	TA40/40	35-40 A	80 A gG

Auxiliary contacts block characteristics:

Utilization Category	Ue (V)	Ie (A)	
		NC (95/96)	NO (97/98)
AC-15	120V	3A	0,75A
	240V	3A	0,75A
	380V	0,95A	0,75A
	500V	0,75A	0,75A
	600V	0,6A	-
DC-13	24V	1,25A	1,25A
	60V	0,55A	0,55A
	125V	0,55A	0,55A
	250V	0,27A	0,27A
	500V	0,15A	0,15A
	600V	0,1A	0,1A