

T Type ¾ inch size Motor Protector



The ¾" size model T Type motor protector is designed to protect single phase induction motor against overload and locked rotor condition up to 65 A.

Automatic Reset: Main application is protection of hermetic compressor for refrigeration. Models with cover are approved for use with flammable refrigerant gases.

Manual Reset: Main application is protection of electric motor where automatic reset would be dangerous or otherwise undesirable (food mixers, chainsaws, etc.).
Trip-free to assure contact break independent of manual action.

GENERAL CHARACTERISTICS

Normally Closed (NC) Circuit	Single pole, Double break, Single throw, Normally Closed		
Standard Temperature Range	Automatic reset	Standard open from 65 °C to 150 °C ± 5 °C	
		Standard close from 41 °C to 102 °C ± 9 °C	
	Manual reset	Open from 65 °C to 150 °C ± 5 °C	
		Manual reset after 3s from trip	
Tolerance on Open Temperature	± 5 °C		
Differential	25 °C minimum		
Maximum Contact Rating <i>Rating are locked-rotor inductive currents (LRA)</i>	Low Capability	Automatic reset	40 A @ 115 Vac 30 A @ 230 Vac
		Manual reset	40 A @ 115 Vac 30 A @ 230 Vac
	High Capability	Automatic reset	65 A @ 115 Vac 50 A @ 230 Vac
		Manual reset	65 A @ 115 Vac 50 A @ 230 Vac
Trip-free Operation	No manual reset is possible under fault condition		
Terminal Configuration	Quick-connect tab ; M3.5 screw ; Solder terminal and cable leads (AWG14 or AWG16)		
Approvals	UL E51822		
	VDE 40011470 (EN IEC 60730-2-22)		
	CQC 10002047074		
	IEC IEC60079-15 (Automatic models with cover)		

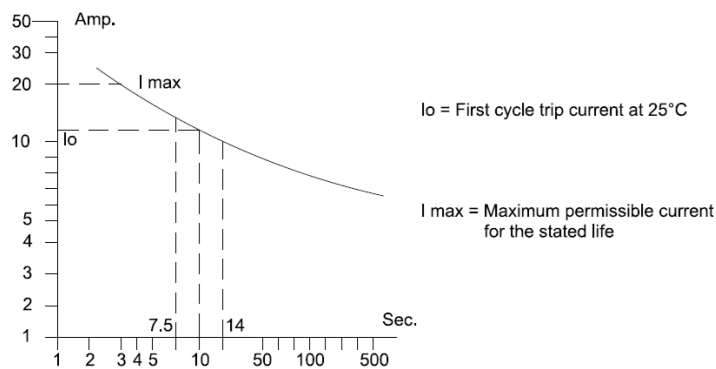
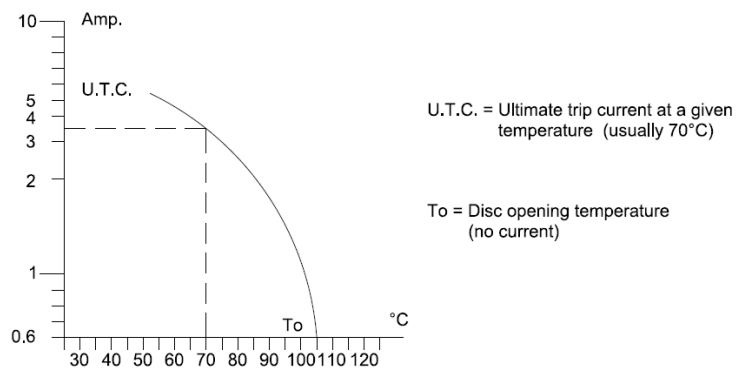
CODE EXPLANATION

	T	A	2	S	M	S	A	900	90	425
¾" Size Model										
Contact / Cover / Base										
A = Welded contact/Cover/Round base B = To play contact/Cover/Round base C = Welded contact/No cover/Round base D = Welded to play contact/No cover/ Round base E = Welded contact/Cover/Eared base F = To play contact/Cover/Eared base G = Welded contact/No cover/Eared base H = To play contact/No cover/Eared base										
Disc Physical Size										
Disc Resistivity / Contact Type (See table)										
E – T = High Capacity Types 65A @ 125V / 50A @ 250V U – Y = Low Capacity Types 40A @ 125V / 30A @ 250V										
Disc Open Temperature (See table)										
Disc Close Temperature (See table)										
Heaters										
A – F = Flat Types G – L = Coiled Types										
Wire Diameter and Turns										
000 = No heater 100 – 185 = Flat 400 – 974 = Flat or Coiled heaters										
Terminals and Mounting Data										
00 – 99 = Different terminals options										
Data Code										
4 = Last digit of the year 25 = Week number										

DISC OPEN / CLOSE TEMPERATURE

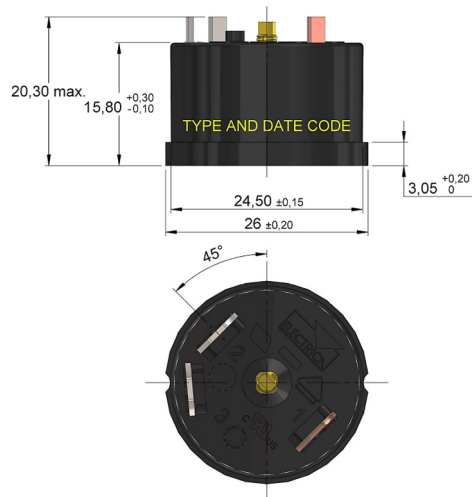
Code	F	G	H	J	K	L	M	N	P
Open Temp (°C)	150	145	140	135	130	125	120	115	110
Code	F	J	N	S	U	V	A		
Close Temp (°C)	102	92	78	69	61	57	MANUAL		

PERFORMANCE CURVES

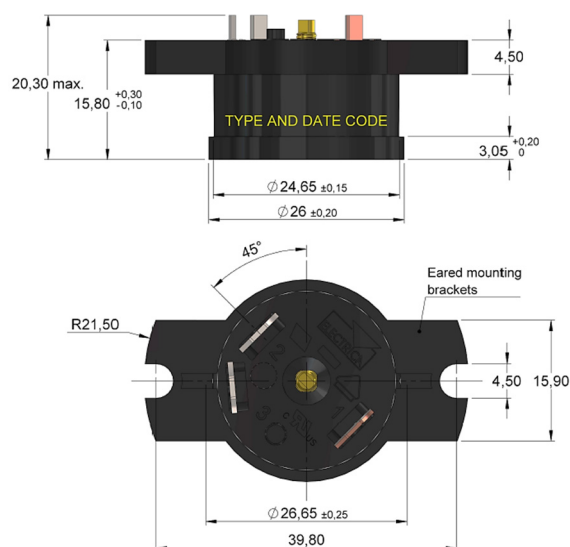


DIMENSIONS (mm)

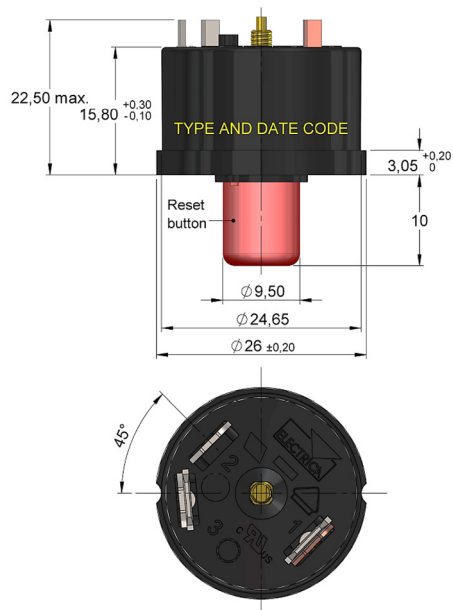
AUTOMATIC RESET ROUND BASE



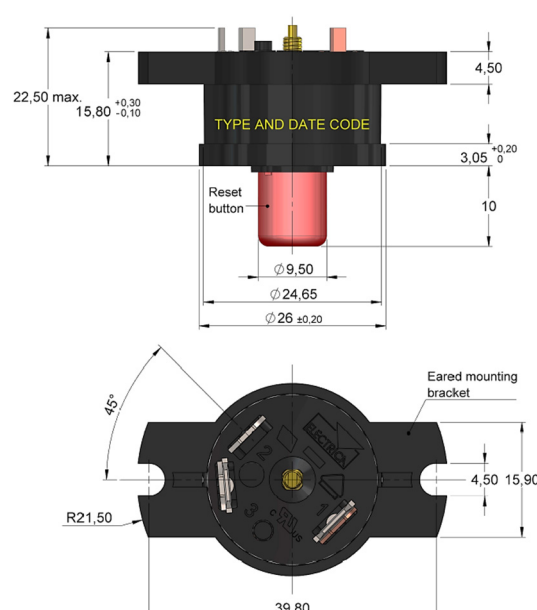
AUTOMATIC RESET EARED BASE



MANUAL RESET ROUND BASE



MANUAL RESET EARED BASE



Le schede tecniche di Electrica s.r.l. ("Electrica") sono destinate esclusivamente ad assistere i progettisti ("Acquirenti") che sviluppano sistemi che incorporano prodotti Electrica (qui di seguito denominati anche "componenti"). L'Acquirente comprende e accetta che l'Acquirente rimane responsabile dell'utilizzo della propria analisi, valutazione e giudizio indipendenti nella progettazione dei propri sistemi e prodotti. Le schede tecniche di Electrica sono state create utilizzando condizioni di laboratorio standard e pratiche ingegneristiche. Electrica non ha condotto alcun test diverso da quello specificamente descritto nella documentazione pubblicata per una particolare scheda tecnica. Electrica può apportare correzioni, miglioramenti, migliorie e altre modifiche alle proprie schede tecniche o componenti senza preavviso.

Gli acquirenti sono autorizzati a utilizzare le schede tecniche Electrica con i componenti Electrica identificati in ciascuna scheda tecnica specifica. TUTTAVIA, NESSUNA ALTRA LICENZA, ESPRESSA O IMPLICITA, PER PRECAUZIONE O PER QUALSIASI ALTRO DIRITTO DI PROPRIETÀ INTELLETTUALE DI ELECTRICA, E NESSUNA LICENZA PER QUALSIASI TECNOLOGIA DI TERZE PARTI O DIRITTO DI PROPRIETÀ INTELLETTUALE, VIENE CONCESSA NEL PRESENTE DOCUMENTO. LE SCHEDE TECNICHE ELECTRICA SONO FORNITE "COSÌ COME SONO". ELECTRICA NON FORNISCE ALCUNA GARANZIA O DICHIARAZIONE RIGUARDO ALLE SCHEDE TECNICHE O AL L'USO DELLE SCHEDE TECNICHE, ESPRESSE, IMPLICITE O STATUTARIE, INCLUSE L'ACCURATEZZA O LA COMPLETEZZA. ELECTRICA DECLINA OGNI GARANZIA DI TITOLO E OGNI GARANZIA IMPLICITA DI COMMERCIALIZZABILITÀ, IDONEITÀ PER UNO SCOPO PARTICOLARE, PACIFICO GODIMENTO, PACIFICO POSSESSO E NON VIOLAZIONE DI QUALSIASI DIRITTO DI PROPRIETÀ INTELLETTUALE DI TERZE PARTI PER QUANTO RIGUARDA LE SCHEDE TECNICHE ELECTRICA O IL LORO UTILIZZO. Tutti i prodotti sono venduti in base ai termini e alle condizioni di vendita di Electrica forniti su www.electrica.it. ELECTRICA NON SI ASSUME ALCUNA RESPONSABILITÀ PER L'ASSISTENZA ALLE APPLICAZIONI O PER LA PROGETTAZIONE DEI PRODOTTI DEGLI ACQUIRENTI. L'ACQUIRENTE RICONOSCE E ACCETTA DI ESSERE L'UNICO RESPONSABILE DEL RISPETTO DI TUTTI I REQUISITI LEGALI, REGOLAMENTARI E DI SICUREZZA RIGUARDANTI I PROPRI PRODOTTI E QUALSIASI UTILIZZO DEI COMPONENTI ELECTRICA NELLE SUE APPLICAZIONI, NONOSTANTE QUALSIASI INFORMAZIONE O SUPPORTO RELATIVO ALLE APPLICAZIONI CHE POTREBBE ESSERE FORNITO DA ELECTRICA.

Electrica s.r.l. ("Electrica") data sheets are solely intended to assist designers ("Buyers") who are developing systems that incorporate Electrica products (also referred to herein as "components"). Buyer understands and agrees that Buyer remains responsible for using its independent analysis, evaluation and judgment in designing Buyer's systems and products. Electrica data sheets have been created using standard laboratory conditions and engineering practices. Electrica has not conducted any testing other than specifically described in the published documentation for a particular datasheet. Electrica may make corrections, enhancements, improvements and other changes to its data sheets or components without notice.

Buyers are authorized to use Electrica datasheets with the Electrica component(s) identified in each particular datasheet. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER ELECTRICA INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY THIRD PARTY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT, IS GRANTED HEREIN. ELECTRICA DATASHEETS ARE PROVIDED "AS IS". ELECTRICA MAKES NO WARRANTIES OR REPRESENTATIONS WITH REGARD TO THE DATASHEETS OR USE OF THE DATASHEETS, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ACCURACY OR COMPLETENESS. ELECTRICA DISCLAIMS ANY WARRANTY OF TITLE AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUIET POSSESSION, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO ELECTRICA DATASHEETS OR USE THEREOF. All products are sold subject to Electrica's terms and conditions of sale supplied at www.electrica.it. ELECTRICA ASSUMES NO LIABILITY FOR APPLICATIONS ASSISTANCE OR THE DESIGN OF BUYERS' PRODUCTS. BUYER ACKNOWLEDGES AND AGREES THAT IT IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL LEGAL, REGULATORY, AND SAFETY-RELATED REQUIREMENTS CONCERNING ITS PRODUCTS, AND ANY USE OF ELECTRICA COMPONENTS IN ITS APPLICATIONS, NOTWITHSTANDING ANY APPLICATIONS-RELATED INFORMATION OR SUPPORT THAT MAY BE PROVIDED BY ELECTRICA.



Electrica s.r.l.

Via privata Della Torre 24, 20127 Milano (MI) - Italy
Tel.: +39 02 2892641 - Fax: +39 02 2827511
Web: www.electrica.it – Email: info@electrica.it

Microswitches Division

Via D. Manin 350/23, 20099 Sesto San Giovanni (MI) - Italy
Tel.: +39 02 24300672 - Fax: +39 02 24303271
Email: microswitches@electrica.it