

Air Circuit Breaker

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TAB(Inm=2000N ~ 5000A) Air Circuit Breaker

- TECO is the first domestic manufacturer to achieve TAF Lab (TERTEC) certification.
 TECO' s TAB has obtained the Voluntary Product Certification (VPC) and complies with the CNS 14816-2 and IEC 60947-2 standards.
- Modularized and standardized to facilitate distributor design. Powerful functions and outstanding tripping performance with multiple tripping functions and characteristics for selection.
- Excellent quality, novel appearance and suitable for use in applications requiring higher electricity load, such as housing and office/factory building construction projects and public works such as hospital and school construction projects.

Product Features

- Comprehensive accessories for purchase on demand to maximum product functions and possibilities to meet comprehensive demands.
- Enhance insulation performance and product safety with ACB base, circuit board and case made with thermoplastic and thermosetting materials.







TAB-2000N ~ 5000 Air Circuit Breaker







Specification of TAB series

Туре			TAB-2000N (Frame I, Inm=2000A)				ТАВ-3200 (Frame II, Inm=3200A)				TAB-5000 (Frame III, Inm=3200A)	
Feature												
Installation mod	9		Fi	xed	Dra	awout	Fiz	xed	Dra	awout	Dra	awout
Number of poles			3	4	3	4	3	4	3	4	3	4
Rated current(In) at ambient temp	(A) erature 40°C			630 100 800 125	00 1600 50 2000			2000 25	00 3200		4000	5000
Max. rated opera	tion voltage (Je) V(60Hz)						AC 690)V			
Rated insulation	voltage (Ui) V	(60Hz)						AC 100	0V			
Rated impulse wi	thstand voltag	e (Uimp) kV						12				
Rated current of	N-pole (A)		_	100%	_	100%	_	100%		100%		50%
Rated breaking o	apacity(kA)											
	* AC 690V			50 /	′ 40			65 /	′ 65		85 /	75
IEC 60947-2	* AC 500V			65 /	42			75 /	′ 65		90 /	70
CNS 14816-2	* AC 440V,	/* 440V		75 /	48			85 /	' 68		100	/ 80
icu / ics	AC380V			85 /	' 55			100	/ 80		130	/ 105
	* AC220V		150 / 95					170	/136		200 ,	/ 160
Rated short-time withstand capac Icw 1s(kA)	AC 380V			55				6	65		100	
Overload long time-	delay current se	ting range (A)		IR =(0.4~1.0) In, tR = (15~480) s								
Fixed disconnect	ion time(ms)							23	~32			
Digital trip relay	Standard t	ype(M)										
	Communic	ation type(H)										
Mechanical life			10,000									
Connection patt	ern	1		Horizontal , Vertical Horizonta					zontal			
Dimensions(mm)	a	340	435	375	470	400	515	435	550	843	958
b	Horizonta	D	402	402	439	439	402	402	439	439	439	439
		C	290	290	391	391	290	290	391	391	391	391
		a	42	42	30.5	30.5	/2	72	100	100	103	103
)	a b	340	435	3/5	470	400	515	435	550		
	Vertical	0	402	402	439	439	402	402	439	439		
Horizontal Vortica		d	290	290	74	74	290	290	145	145		
Shunt release		u	05	05	/4	/4	0 (220)	99		145	с. р	
(Standard access Closing electrom	ory) lagnet		AC 110 / 220 / 380V \> DC 110 / 220V (Optional)									
(Standard access	ory)											
(Standard accessory) Motor-driven energy-storage mechanism			4NO 4NC									
(Standard accessory)			AC 110 / 220 / 380V \ DC 110 / 220V (Optional)									
Ontingal	Under-voltag (UVT)	ge release	AC 110 / 220 / 380V									
accessories	External leak sequence cu transformer	•										
Weight(kg)	Drawout(3pc	oles/4poles)		70 / 84 79 / 9	(below1 0.5 (2000	600A))A)		10	3/130		210 / 233	
	Fixed(3poles	/4poles)		44 / 52 45 / 5	(below1) 54 (2000/	600A) A)		56	5/71		<u>. </u>	

Note : 1. * : Provided for reference(The rated breaking capacities indicated by voltage which marked with * are for reference.) 2.● : Available , — : Not available 3.Users must add PT if the operational voltage exceeds AC380V.



Example :

1.TAB²X-306FM1E1-XXX : TAB-2000N, 3P, Rated current : 630A, Horizontal connection(Fixed), Intelligent controller of M type(Short-circuit short delay inverse time+definite time)/ Shunt release/ Closing electromagnet/Motor-driven energy-storage mechanism(operating voltage : AC110V), Auxiliary contact : Four switch contact 2.TAB3X-425VM2C3-9X1 : TAB-3200, 4P, Rated current : 2500A, Rotation busbar vertical connection(Drawout), Intelligent controller of M type(Definite time short-circuit short delay)/ Shunt release/ Closing electromagnet/Motor-driven energy-storage mechanism(operating voltage : DC220V), Auxiliary contact : 4NO 4NC, Under voltage release with delay 3s (AC 220V), Position signaling device.

Function of digital trip relay Function configuration

No.	No. Function configuration		/pe
			H
1	Current display function	•	•
2	Overload long time delay protection(inverse)	•	•
3	Short circuit short time delay protection(inverse and definite)	•	•
4	Short circuit instantaneous protection		
5	Single-phase earthing fault protection	•	•
6	Current imbalance protection caused by phase failure	0	
7	Parameter setting function	•	•
8	Test(simulate trip) function	•	•
9	Inquiry function	•	•
10	Self-diagnose function		•
11	Communication function		•
12	Contact abrasion extent record	—	•
13	Operating times record	•	•
14	Clock function	—	•
15	Alarm record	•	•
16	Position(making or breaking)change record	—	•
17	The history current peak value record	_	•
18	MCR(Making current release)	•	•
19	HSISC(High-setting instantaneous short circuit)	•	•
20	Current leakage protection(inverse and definite)	—	0
21	Neutral(N phase)protection	•	•
22	Load monitor function(Modes1 or Modes2)	_	•
23	Voltage measurement display function		•
24	Frequency measurement display function	—	•
25	Voltage imbalance measurement display function		•
26	Power measurement display function	_	
27	Power factor measurement display function		•
28	Electrical energy measurement display function	_	
29	Fault clock function		
30	History data record function	•	
31	Phase sequence checking		•
32	Average value in a certain period of time measurement function(current and power)	_	
33	Humorous-wave measurement	_	•
34	Over-voltage protection	_	
35	Under-voltage protection	_	•
36	Voltage imbalance protection	_	
37	Over-frequency protection	_	•
38	Under-frequency protection		
39	Phase sequence protection	_	•
40	Inverse power protecion	_	
41	Thermal recall function	•	•
42	ZSI(zone selective interlocking)	_	0
			Ţ

Note: \bullet : standard setting \bigcirc : optional setting - : not applicable

Digital trip of TAB series

Standard type (M type)

M type digital trip relay



Overload long-time delay setting range: $IR = (0.4 \sim 1)In$, $tR = (15 \sim 480)s$ Short-circuit short-time delay setting range: TAB-2000N: $Isd = (1.5 \sim 15)IR$ TAB-3200: $Isd = (1.5 \sim 15)IR$, with a maximum value of 40kA TAB-5000: $Isd = (1.5 \sim 15)IR$, with a maximum value of 50kA tsd = (0.1~0.4)s

Short-circuit instantaneous setting range: TAB-2000N: Ii = $(1.5 \sim 20)$ In, with a maximum value of 50kA TAB-3200: Ii = $(1.5 \sim 20)$ In, with a maximum value of 65kA TAB-5000: Ii = $(1.5 \sim 20)$ In, with a maximum value of 75kA

Ground fault protection setting range: TAB-2000N: $Ig = (0.2 \sim 0.8) In$, with a maximum value of 1200A TAB-3200: $Ig = (500 \sim 1200A)$ TAB-5000: $Ig = (500 \sim 1200A)$ tg = (0.1~0.4)s

Communication type(H type)

H type digital trip relay



Overload long-time delay setting range: $IR = (0.4 \sim 1)In$, $tR = (15 \sim 480)s$ Short-circuit short-time delay setting range: TAB-2000N: Isd = (1.5~15)IR TAB-3200: Isd = $(1.5 \sim 15)$ IR, with a maximum value of 40kA TAB-5000: Isd = $(1.5 \sim 15)$ IR, with a maximum value of 50kA $tsd = (0.1 \sim 0.4)s$ Short-circuit instantaneous setting range: TAB-2000N: li = (1.5~20) In, with a maximum value of 50kA TAB-3200: li = (1.5~20) In, with a maximum value of 65kA TAB-5000: li = (1.5~20) In, with a maximum value of 75kA Ground fault protection setting range: TAB-2000N: $Ig = (0.2 \sim 0.8)$ In, with a maximum value of 1200A TAB-3200: Ig = (500~1200A) TAB-5000: Ig = (500~1200A) $tg = (0.1 \sim 0.4)s$ Note: Complies with Modbus (RS485 interface) communication protocol.

Digital trip of TAB series

Standard type(M type & H type) Menu operation explanation of digital trip relay



H type digital trip relay



13 14 15

1. Display windo M type (LED) H type (LCD)	 Display current value, setting value, tripping time and so on.
2. Set	Switch to setting menu
3. ▲ (Up)	Change the marquee or the selected parameter
4. Reset	Escape from this grade and return to upper menu or cancel the current selected parameter
J. Linter	item, or select current parameter and store modifications
6. ▼(Down)	Change the marquee or the selected parameter
7. Check	Switch to query menu
8. "Ir" light	Overload long delay fault indication
9. "Isd " light	Short-circuit Short delay indication
10. "test"	Trip test button
11. "li" light	Short-circuit instantaneous fault indication
12. "Ig" light	Asymmetric earthing or neutral line fault indication
13. Alarm light	
14. Communicat	ion light
15. Run light	





Unit : mm

Unit : mm





TAB-3200 Fixed-type 493(4P) 378(3P) outside of box door 352 g 402 258 112 2 4 11 13 11 Ш C 1<u>50</u> 69.5 67 211 N pole <u>12-Ф13</u> 86 32 290 400(3P) ******* 444 444 18.5 515(4P) 115 115 115 96 155.5 Horizontal short busbar (default) 4-Φ12 311 269 Installation plate of circuit breaker 150 Right-side installation % hole for circuit breaker Right-side installation hole for circuit 2 400(3P) 202.5 <u>8-Ф4</u>, 515(4P) 405 breaker In A a (mm) Panel hole 2000~3200 30



Unit : mm







Secondary circuit wiring

TAB-2000N/3200/5000 Secondary circuit wiring diagram for the circuit breaker equipped with M type



emergency switch when an optional low-voltage tripping device is applied.

The auxiliary switch type :

1.Four groups of switching	2.Five groups of switching	3. Four normally open / four normally4. Five normally open / five normally
contacts(4c)	contacts(5c)	closed(4NO/4NC)(standard) closed(5NO/5NC)
36 38 40 42 44 46 4 4 4 4 4 7 57 39 41 43 45	36 38 40 42 44 46 48 50 4 4 4 4 4 4 4 4 7 7 7 7 7 44 45 47 49	36 38 40 42 44 46 48 50 * <td< td=""></td<>

SB1 : Opening pushbutton ; SB2 : Emergency opening pushbutton ; SB3 : Closing button ;

Q : Under-voltage release ; F : Shunt release ; X : Closing electromagnet ; M : Energy storage motor ;

XT : Terminal ; SA : Travel switch ; FU : Fuse 6A ; PL : Indicating lamp ;

1#, 2# : Digital trip relay power input(Note: When the digital trip relay power is AC power, 1#, 2# terminals directly input AC power;

1# connect positive pole, and 2# connect negative pole for DC power.

3#, 4#, 5# : Fault trip contact output(4# common

terminal)

6#, 7#, 8#, 9# : Auxiliary contact, normal open

10#~24# : empty

25#, 26# : to be connected with current transformer of N p ole (optional)

27#, 28# : Under-voltage rele ase (optional) 29#, 30# : Shunt release 31#, 32# : Closing release 33#, 34# : Energy storage indicator 34#, 35# : Energy storage motor 36#~51# : Auxiliary contact

- Note : 1. Red colored part is to be connected by users.
 - 2. Terminals 6#, 7# can output NC(normal close) contact if that is required by users.
 - 3. Terminal 35# can be directly connected to power(automatic pre-storing energy), alternatively
 - connect power after connecting NO button(manual-controlled pre-storing energy.)
 - 4. When the emergency opening pushbutton is used to disconnect the circuit breaker, attention should be paid that if the undervoltage release has the delay function, after pressing the emergency opening pushbutton, the circuit breaker can be switched off after passing through the setting time of undervoltage delay.

Secondary circuit wiring

TAB-2000N/3200/5000 Secondary circuit wiring diagram for the circuit breaker equipped with H type



Note: 1 SB1, SB3 recommend sharing a CS control switch (2a). 2 SB2 recommend using normally closed emergency switch when an optional low-voltage tripping device is applied.

The auxiliary switch type :

1.Four groups of switching	 Five groups of switching	 Four normally open / four normally
contacts(4c)	contacts(5c)	closed(4NO/4NC)(standard)
38 38 40 42 44 46 4 4 4 4 57 39 41 43 45 47		

 ${\sf SB1}$: Opening pushbutton ${\sf SB2}$: Emergency opening pushbutton ${\sf SB3}$: Closing button ${\sf Q}$: Undervoltage release

F : Shunt release X : Closing electromagnet M : Energy storage motor XT : Terminal

SA : Travel switch $\,$ FU : Fuse 6A $\,$ PL : Indicating lamp $\,$ 1#, 2# : Digital trip relay power input $\,$

(Note: When the digital trip relay power is AC power, 1#, 2# terminals directly input AC power;

when the digital trip relay power is DC power, DC power cannot be directly connected to **1**#, **2**# terminals of the circuit breaker and must be input to the input end of DC power supply module; output end of DC power supply module must be connected to **1**#, **2**# terminals, otherwise, the digital trip relay will be burned.)

3#, 4#, 5# : Fault trip contact output(4# common terminal)

6#, 7#, 8#, 9# : Auxiliary contact(normal open) 10#~11# : Communication output

H type default output :

12#, 13# : Load 1 alarm 14#, 15# : Load 2 alarm 16#, 17# : Opening signal output

18#, 19# : Closing signal output 20# : PE line 21# : N input end

- 22#, 23#, 24# : R, S, T three-phase power supply input end (Note the phase sequence) (Highest AC380 V) (If rated operational voltage to exceed AC 380V, user must increase potential transformer.
 - Please use the voltage of secondary side in AC 220V and burden in 30VA to the potential transformer.)
- 25#, 26# : External N-phase transformer or external leakage transformer input, conventional products have no transformers; when there are external transformers in the special order requests, the cost is calculated separately.
- **PSU-1** : Power converter (optional) **RU-1** : The controller for the signal energy amplification (optional); if the controller is to be selected, the cost will be calculated separately.
- 27#, 28# : Undervoltage release(optional) 29#, 30# : Shunt release 31#, 32# : Closing release
- 33#, 34# : Energy storage indicator 34#, 35# : Energy storage motor 36#~51# : Auxiliary contact

Note : a. The red part is connected by the user.

b. Refer to the above figure for the wiring diagram of the release with the co-opted function.

Wirring diagram of position signaling device



Operating Requirements:

- The position signaling device for the draw-out type can indicate the positions "disconnected," "test," and "connected."
 It can be selected fully or partially based on order requirements.
- ② When the draw-out type breaker body moves from the "drawout" position to the "disconnected" position, terminals 53# and 54# should change from connected to disconnected, and terminals 54# and 55# should change from disconnected to connected.
- ③ When the draw-out type breaker body moves from the "disconnected" position to the "test" position, terminals 56# and 57# should change from connected to disconnected, and terminals 57# and 58# should change from disconnected to connected. Ensure that there is sufficient safety distance between the breaker body terminals and the draw-out base bridge contacts, and that reliable connection and disconnection operations can be performed.
- ④ When the draw-out type breaker body moves from the "test" position to the "connected" position, after the draw-out base makes a "click" sound, continue to push forward. The draw-out base handle should be rotated within 1.5 turns. Terminals 59# and 60# should change from connected to disconnected, and terminals 60# and 61# should change from disconnected to connected. Ensure that the breaker body terminals are reliably inserted into the draw-out base bridge contacts and can reliably carry the main circuit current for operation.
- (5) When the draw-out type breaker body moves from the "connected" position to the "test" position, terminals 56# and 57# should change from connected to disconnected, and terminals 57# and 58# should change from disconnected to connected. Ensure that there is sufficient safety distance between the breaker body terminals and the draw-out base bridge contacts, and that reliable connection and disconnection operations can be performed.
- (6) When the draw-out type breaker body moves from the "test" position to the "disconnected" position, terminals 53# and 54# should change from connected to disconnected, and terminals 54# and 55# should change from disconnected to connected. At this point, the breaker body cannot be drawn out yet. Continue to move to the "disconnected" position until the handle cannot be turned. Only then can the breaker body be drawn out. After pulling out the breaker body, terminals 53# and 54# should change from disconnected to connected, and terminals 54# and 55# should change from connected to disconnected.
- During the draw-out base position change operation, the pointer must be stopped only when pointing to "disconnected," "test," and "connected" positions. Otherwise, the position indicator device will not be able to correctly indicate the position of the breaker body in the draw-out base.

Rated voltage (V)	Open thermal current Ith (A)	Rated current le (A)	Rated control capacity
AC220	5	1.3	300VA
AC380	5	0.75	300VA
DC220	5	0.25	60W
DC110	5	0.55	60W

Capacity of position signal contact



Specifications of characteristics

Over-current protection characteristic curve

Overload long time-delay protection:

Current Ratings Range (I _R)	tolerance	Current	Action time(s)				Time tolerance		
	±10%	≦ 1.05 Ir							
		>1.30 Ir							
(0.4~1)In (This function can be turned OFF)		1.5 lr	15	30	60	120	240	480	±10%
		2.0 Ir	8.4	16.9	33.7	67.5	135	270	±10%

Short-circuit short-delay protection :

Short-circuit short delay protection has two protection modes: inverse time and definite time protection. I²Tsd= (8I_R)²tsd works when current is low. In this formula, I is actual current, Tsd is actual trip time, tsd is set trip delay time. When I is over inverse time set value but below 8I_R, the controller will operate according to the over-current protection characteristic curve. When I is over both the inverse time set value and 8I_r, the controller will operate according to definite time protection. The other mode is definite time protection with set times of 0.11s, 0.21s, 0.31s, and 0.41s. When I is over Isd but below Ii, the controller will operate according to definite time protection.

Current Ratings Range(lsd)	tolerance	Current	Action time(s)				Time tolerance
	±10%	≦ 0.9Isd	Nontrip				
(1.515)		>1.1 lsd		trip			
$(1.3 \sim 15)$ is function can be		tsd	0.1	0.2	0.3	0.4	±15%
turned OFF)		Returnable time	0.06	0.14	0.25	0.33	±15%

Note : a. When the digital trip relay is Frame II (Inm=3200A), Isd shouldn't be more than 40KA. b. When the idigital trip relay is Frame III (Inm=5000A), Isd shouldn't be more than 50KA. c. When tsd is 0.1s or 0.2s, time permissible error is ±0.040s.

Short-circuit instantaneous protection :

Short circuit instantaneous current protection parameter setting, there are two action time options. (0.01) is the peak protection (default), trip time ≤ 30 ms;

(0.02) is the effective value protection, trip time ≤ 60 ms.

Current Ratings Range(li)	tolerance	Current	Time tolerance
(1.5~20)ln	+15%	≦ 0.85 li	in the 0.2s Non-trip
(OFF can turn off this feature)	±15%	>1.15 li	in the 0.2s trip

Note : a. When the digital trip relay is Frame I (Inm=2000A), li shouldn' t be more than 50KA.

b. When the digital trip relay is Frame II (Inm=3200A), li shouldn't be more than 65KA.

c. When the digital trip relay is FrameIII (Inm=5000A), li shouldn' t be more than 75KA.

Earthing protection :

Earthing protection has definite time characteristic. Fault delay time is shown below.



Operating characteristics of single-phase earthing protection

Current Ratings Range(Ig)	tolerance	Current	Action time(s)				Time
current natings nange(ig)	tolerunce	Current		/ (011)	tolerance		
	±10%	≦ 0.9 lg		Non	-trip		
(0.2~0.8)In		>1.1 lg		Trip			
(This function can be		tg	0.1	0.2	0.3	0.4	±15%
turned OFF)		Returnable time	0.06	0.14	0.25	0.33	±15%

Note: a. When tg is 0.1s or 0.2s, time permissible error is ±0.040s;

b. When the digital trip relay is Frame I (Inm=2000A), Ig shouldn't be more than 1200A.

c. When the digital trip relay is Frame II, III(Inm= 3200A, 5000A) Ig should be between 500A and 1200A.

Single-phase protection is usually used in neutral-point solid ground system. Controller has two different protection modes, being vector sum mode and external transformer mode.





Purchase Sheet

				Customer : Tel :				
TA	B-2000I	N~5000 Ordering specifica	ation	Quanti	Quantity : Date :			
	Model	Rated current In(A)	Number	Installation	Tr	e main circuit connection		
	Model		of poles	mode	Standard (🔳 : default)	Special requirement (additional order)		
□TAE (Fra	3-2000N ame I)	□630 □800 □1000 □1250 □1600 □2000	□ЗР	Fixed type	Horizontal connection	□Vertical connection (with L vertical bus-bar) □Rotation busbar horizontal connection (drawout-type In≤3200) □Rotation busbar vertical connection (drawout-type In≤3200)		
(Fra	ame II)		□4P	Drawout type		Module : □Position signaling devices (□ Connected □ Test □ disconnected)		
□TAE (Fra	3-5000 ime III)	□4000 □5000		Drawout type	Horizontal connection	Module : □Position signaling devices (□ Connected □ Test □ disconnected)		
		Digi	tal trip r	elay contro	oller classification (Option	al)		
	Туре	Protection function (■:Conventional factory setting. Check at the other	er option i	f you need.	Increasing	annex function (additional order)		
	□M type (standard)	■ IR overload long delay, Isd short-circuit short de	lay invers	e time +				
Controller	Frequency □50Hz ■60Hz	definite time, li transient short-circuit, lg single-p 4-section protection. □IR overload long delay, lsd definite time short-cir li transient short-circuit, lg single-phase groundi	hase grou rcuit short ng 4-secti	unding delay, on protection.	External current transformer	earthing protection (3P + N model)		
Intelligent	□H type (communication)	In overload long delay, Isd short-circuit short de definite time, li transient short-circuit, Ig single-p 4-section protection.	lay inverse hase grou	e time + unding delay,	□No additional function □S1 function □S2 function □Earthing protection + NCT(3) □Earth leakage protection + Z	□S3 function □ZSI + S2 function □ZSI + S3 function P+N)(external current transformer) T100 (external current transformer)		
		li transient short-circuit, Ig single-phase groundi MODBUS communication protocol(Built-in)	ng 4-secti	on protection.	protection. Earth leakage protection + ZCT1 (external current transformer) (The functions of type of H, please see the "H type digital trip relay Instr			
	Digital trip relay power	□AC110V ■AC220V □AC380V □DC110V* □DC220V*		(The factor	The factory default is AC220V. Check at the other option if you need.)			
ries	Shunt release	□AC110V ■AC220V □AC380V □DC110V						
cesso	Closing electromagnet	□AC110V ■AC220V □AC380V □DC110V		(The factory default is AC220V. Check at the other option if you need.)				
calac	Electric motor	□AC110V ■AC220V □AC380V □DC110V						
Electri	Auxiliary contact	■4NO/4NC □5NO/5NC(M type) □Five grou (The factory default is 4NO 4NC contacts. The	ps of swi auxiliary	tching contac contact mode	ts(5c) □Four groups of switchi s for customer use, please see	ng contacts (4c) the instruction in "Secondary circuit wiring".)		
ents er)	Under voltage release (UVT)	Power voltage : AC110V AC220V AC Action types : Instantaneous Delay (Resistance capacity loss	380V (C release d	Dnly AC power elay); □ 1s [can be used.)			
cial requirem dditional orde	Interlock device	Mechanical linkage : □Link interlock □Cable i Door interlock : □Switch body position door inter Button lock : □Panel products on/off button lock key lock : □1 lock 1 key □2 locks 1 key □3	nterlock lock (drav blocks 1 k	vout-type) 🗌 ey 🗌 3 locks	Switch on/off state door interlock s 2 keys □Special custom	ockkey (Optional)		
Spe (a	Other accessories	Cover Transparent shield(only for TAB-2 The secondary connecting part shield(drawc Mechanical counter (digital trip relay had a context)	000N) [out-type) counter fu	Phase space	ers ndary connecting part shield + s y)	special the secondary connecting part(fixed-type)		
eristic ay	Ductostica	IR long delay current setting range : (0.4~1)In Overload 1.5IR action time setting range : 15, 3	80, 60	480s		Conventional factory tuning : overload delay 1.0In Conventional factory tuning : overload 1.5IR : action 15s		
characte I trip rel	function settable	Isd short delay current setting range : (1.5~15) Short delay action time : (0.1~0.4)s	R		Conventional factory tuning : short delay current 8IR Conventional factory tuning : short delay action time 0.			
ction o	conventional factory tuning	li instantaneous current setting range : (1.5~20)ln / 50k/	A / 65kA / 75k	A Conventional factory tuning : 12In			
Prote		Ig earthing protection current setting range : (0. the earthing protection time setting range : (0.1	2~0.8)In ~0.4)s			Conventional factory tuning : OFF		
Remar Note 1 2 3 4	Remark: The casing current, rated current and auxiliary control voltage must be specified when ordering. Note 1. Please mark " ✓ " or fill figure in the relative "□" if no mark, we will provide according to conventional. 2. The operational function of the digital trip relay and special requirements require additional costs. 3. If external current transformer used on 3 poles product, please state external current transformer (3P+N) when ordering. 4. Assemble fixed-plate before put on phases barrier for fixed-type product, but not for draw out-type product.							



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Ratings and specifications covered in this brochure may be subject to change without notice.

More information



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