Digital Type Ground Overcurrent Relay DUT EH, DUT ET

DUT BN, **DUT** BM(Noise immunity conforming to standard of B-402)

★Information required with your inquiry or order. The pitch in parentheses and lock setting "L" need not be specified.

71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
Application				Detection of grou	Detection of ground fault (Mainly resistance grounded line system)						
Principle and name				Digital type groun	Digital type ground overcurrent relay						
Classification			Input	★Type *11							
Unit standard	DC		1	DUTUEHAS-2	DUTUE	HAK-2	DUTUEHAA-2	DUTUETAS-2	DUTUETAK-2	DUTUETAA-2	
structure type	AC			DUTAEHAS-2	S-2 DUTAEH		DUTAEHAA-2	DUTAETAS-2	DUTAETAK-2	DUTAETAA-2	
DQ series	DC		1	DUTREHAS-2	EHAS-2 DUTRE		DUTREHAA-2	DUTRETAS-2	DUTRETAK-2	DUTRETAA-2	
replacement type *1	AC		1	DUTBEHAS-2			DUTBEHAA-2	DUTBETAS-2	DUTBETAK-2	DUTBETAA-2	
Unit standard	DC		1	DUTUENAS-2			DUTUENAA-2	DUTUEMAS-2	DUTUEMAK-2	DUTUEMAA-2	
structure type *10	AC		┨ ′	DUTAENAS-2	DUTAE		DUTAENAA-2	DUTAEMAS-2	DUTAEMAK-2	DUTAEMAA-2	
Ratings	★Frequency		ГШ-	1 50, 60		VAIX 2	DOTALINAA 2	DOTALIVIAS 2	DOTALIVIAN 2	DOTALIVIAA Z	
	★Current [A] AC										
	Element			Inverse time-lag Instantaneous Independent time-lag							
		A-C-41:	l					0.02 to 0.16 (0.01)			
	Setting range *2	A Setting va		0.02 to 0.16 (0.01) -L		0.1 to 0.8 (0.01) -L					
		, ,		0.1 to 0.8 (0.01) -L		0.5 to 4 (0.1) -L		0.1 to 0.8 (0.01)			
			15 <i>F</i>	0.1 to 0.8 (0.01) -L		0.5 to 4 (0.1) -L		0.1 to 0.8 (0.01)			
				0.5 to 4 (0.1) -L		2.5 to 20 (0.1) -L		0.5 to 4 (0.1)			
		Time setting		n=0.5 to 50 (n=0.1)		0 to 3s (0		0 to 3s (0.1s) *3		1	
	Output duration *4] 1±0.1 0.2±0.1			0.2±0.1	1±0.1	0.2±0.1	0.2±0.1	
	Rated burden [VA]										
	Continuous wit			100% of rated value							
	Auxiliary energizing source *5	★ Voltage	[V] DC	100, 110, 125, 200, 220, 250							
			AC	100, 110, 127, 200, 220, 250 50, 60Hz							
		Rated burden DC		100, 110, 125V rated : 6.5W 200, 220, 250V rated : 8.5W							
			AC	100, 110, 127V rated : 15VA 200, 220, 250V rated : 20VA							
Operation indicators	Display hold function *12			With	With		-	With	With	_	
	DC auxiliary energizing source			LED: Time lag x 1, Instantaneous x 1 LED: Operation x 1							
	AC auxiliary energizing sou	ırce 1 inp	ut	LED: Time lag x 1, Instantaneous x 1 Magnetic inversion: Time lag x 1, Instantaneous x 1			LED: Operation x 1 Magnetic inversion: Operation x 1				
		2 inp	uts	_	_			-			
		3 inp	uts	_							
Contacts	Arrangement			Trip: Time lag 1NO ("a" make contact), Instantaneous: 1NO, Trip: 1NO, Alarm: 1NC Alarm: 1NC ("b" break contact), External output: 1NO External output: 1NO							
	Limiting making capacity [A]			15 (R-load, 0.5s, 110V DC)							
	Continuous current carrying [A] capacity			5							
	Limiting breaking capacity [VA] DC			10 (L-load, L/R=0.04, 110V DC)							
Characteristics	Operate time			*6		*6, *7		*6, *8			
	Operate value accuracy [%]			*9		±5		*9			
	f2 locking function (f2/f1) [%]] _		15 or mo	ore	15 or more			
	Holding factor [%]										
Mass			2								
Outline	Unit standard	structure type	[kg	Fig. DUT1							
drawing	DQ series replacement type			Fig. DUT2							
Previous relay type				DQAJA1HH	DQAJA	1HB	DQAJA1HA	DQARA1HH,	DQARA1HB,	DQARA1HA, DQAWA2HA,N	
								DQAWAZI II1,G	DQAWAZI ID,D	DQAWAZI IA,N	

- *1 : DQ series replacement relay having the same external terminal arrangement with DQ series relay. DQ series replacement relay with panel mounting adapter that has the same depth with DQ series relay, is also available. For details, contact Fuji.

 *2 : The value in parentheses indicates the pitch, and "L" indicates that the setting is locked. *3 : Zero represents instantaneous operate time (80ms max.).

 *4 : The output duration of 1±0.1s is used in the case of the circuit breaker tripping, and that of 0.2±0.1s is used on other occasions.

- *5 : Power interruption guarantee time of AC auxiliary energizing source is 2s. However, it may exceed 2s depending on input or operating conditions.
- *6: Refer to "Operate time characteristics".
- *7: ±5% of max. time setting, or for min. time setting, 80ms max. when 200% input current of operate setting value.
- *8: ±5% of max. time setting, or for min. time setting, 80ms max. when 300% input current of operate setting value.
- *9: ±5% in accuracy guaranteed setting range (three times min. of min. operate setting value to max. operate setting value), ±15% for outside the accuracy guaranteed setting range.
- *10: Noise immunity per B-402 (Digital Protective Relays and Protective Equipment).
- *11: Refer to the identifications on page 8 for the tenth digit or later of the code symbol.

 *12: If "\$" or "K" is selected for the 8th digit of the code symbol, both LED and magnetic inversion operation indicators are provided with a display hold function.

 If "A" is selected, the LED indicator has no display hold function.