

## 72.5 kV DISCONNECTING SWITCH GUARANTEED TECHNICAL DATA

			19.11.2012
	EMEK REF. NO.: 110223 REV.0	UNIT	ITEM 1
1	MANUFACTURER	-	EMEK ELEKTRİK ENDÜSTRİSİ A.Ş
2	STANDARDS	-	IEC 62271-102
3	MANUFACTURER'S TYPE DESIGNATION	-	DR-72.5-EM
4	CONSTRUCTIONAL TYPE OF CONNECTION	-	Double Rotating, Center Break, Horizontal opening
5	NUMBER OF POLES	-	3
6	NUMBER OF BLADE PER POLE	-	2
7	NUMBER OF MOVABLE COLUMN PER POLE	-	2
8	NUMBER OF EARTH BLADES PER POLE	-	1
9	RATED FREQUENCY	Hz	50
10	RATED VOLTAGE	kV	66
11	HIGHEST SYSTEM VOLTAGE	kV	72.5
12	RATED NORMAL CURRENT	Α	800
13	RATED SHORT TIME CURRENT	kArms	31.5
14	RATED DURATION OF SHORT CURRENT	sec	1
15	RATED PEAK SHORT CIRCUIT CURRENT	kApeak	2.5xlth
16	MAIN CIRCUIT TERMINALS	-	Ø 40 x 80
17	MINIMUM CREEPAGE DISTANCE OF INSULATORS	mm/kV	25
18	FULL WAVE (1.2/50 ms) IMPULSE WITHSTAND VOLTAGE OF		
	INSULATORS:		
	TO EARTH	kVpeak	325
	ACCROSS ISOLATING DISTANCE	kVpeak	375
19	ONE MINUTE POWER FREQUENCY (50-CYCLE) WITHSTAND		
	VOLTAGE (WET) OF INSULATORS:		
	TO EARTH	kVrms	140
	ACCROSS ISOLATING DISTANCE	kVrms	160
20	TYPE OF OPERATION OF MAIN SWITCH (MOTOR / HAND)	-	MOTOR/HAND
21	TYPE OF OPERATION OF EARTH SWITCH (MOTOR / HAND)	-	HAND
22	MOTOR		
	SUPPLY VOLTAGE (V)	Vdc	110
	POWER CONSUMPTION (W)	W	370
23	DC CONTROL VOLTAGE	V	110
24	NUMBER OF AUXILARY CONTACTS FOR EACH PHASE		
	FOR MAIN SWITCH		11NO - 11NC
25	NUMBER OF AUXILARY CONTACTS FOR EACH PHASE		
	FOR EACH EARTHING SWITCH		4NO - 4NC
26	DRAWING NO		EHYGA-S105

Altitude is 3500 m. Insulation level is arranged according to altitude. (123/230/450 kV)

Prepared by EMEK ENGINEERING DEPARTMENT	Prepared by KORHAN SERDAR  ELEKTRIC ENDOTRISIS A. S.  ELEKTRIC ENDOTRISIS A. S.
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## 72.5 kV DISCONNECTING SWITCH GUARANTEED TECHNICAL DATA

		19.11.2012
EMEK REF. NO. : 110223 REV.0	UNIT	ITEM 2
1 MANUFACTURER	-	EMEK ELEKTRİK ENDÜSTRİSİ A.Ş
2 STANDARDS	-	IEC 62271-102
3 MANUFACTURER'S TYPE DESIGNATION	-	DR-72.5-NM
4 CONSTRUCTIONAL TYPE OF CONNECTION	N -	Double Rotating, Center Break, Horizontal opening
5 NUMBER OF POLES	-	3
6 NUMBER OF BLADE PER POLE	-	2
7 NUMBER OF MOVABLE COLUMN PER POI	_E -	2
8 NUMBER OF EARTH BLADES PER POLE	-	-
9 RATED FREQUENCY	Hz	50
10 RATED VOLTAGE	kV	66
11 HIGHEST SYSTEM VOLTAGE	kV	72.5
12 RATED NORMAL CURRENT	A	800
13 RATED SHORT TIME CURRENT	kArms	31.5
14 RATED DURATION OF SHORT CURRENT	sec	1
15 RATED PEAK SHORT CIRCUIT CURRENT	kApeak	2.5xlth
16 MAIN CIRCUIT TERMINALS	-	Ø 40 x 80
17 MINIMUM CREEPAGE DISTANCE OF INSU	LATORS mm/kV	25
18 FULL WAVE (1.2/50 ms) IMPULSE WITHSTA	AND VOLTAGE OF	
INSULATORS:		
TO EARTH	kVpeak	325
ACCROSS ISOLATING DISTANCE	kVpeak	375
19 ONE MINUTE POWER FREQUENCY (50-C)	/CLE) WITHSTAND	
VOLTAGE (WET) OF INSULATORS:		
TO EARTH	kVrms	140
ACCROSS ISOLATING DISTANCE	kVrms	160
20 TYPE OF OPERATION OF MAIN SWITCH (I	MOTOR / HAND) -	MOTOR/HAND
21 TYPE OF OPERATION OF EARTH SWITCH	(MOTOR / HAND) -	-
22 MOTOR		
SUPPLY VOLTAGE (V)	Vdc	110
POWER CONSUMPTION (W)	W	370
23 DC CONTROL VOLTAGE	V	110
24 NUMBER OF AUXILARY CONTACTS FOR E	EACH PHASE	
FOR MAIN SWITCH		8NO - 8NC
25 NUMBER OF AUXILARY CONTACTS FOR E	EACH PHASE	
FOR EACH EARTHING SWITCH		-
26 DRAWING NO		EHYGA-S107

Altitude is 3500 m. Insulation level is arranged according to altitude. (123/230/450 kV)

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