



ELEKTRİKSEL  
MALZEME ISI KAYBI  
TABLOSU

*ELECTRICAL DEVICE  
POWER LOSS TABLE*

W-OTOMAT ISI KAYBI/MCB POWER LOSS (WATT)				
AMPER/AMPERE	1-KUTUP/1-POLE	2-KUTUP/2-POLE	3-KUTUP/3-POLE	4-KUTUP/4-POLE
0,5A	2,2	4,4	6,6	6,6
0,75A	2,96	5,92	8,88	8,88
1A	2,3	4,6	6,9	6,9
2A	2,5	5	7,5	7,5
3A	2,4	4,8	7,2	7,2
4A	2,4	4,8	7,2	7,2
6A	3	6	9	9
10A	2	4	6	6
16A	2,6	5,2	7,8	7,8
25A	2,9	5,8	8,7	8,7
32A	3	6	9	9
40A	3,5	7	10,5	10,5
50A	4,6	9,2	13,8	13,8
63A	4,5	9	13,5	13,5
80A	6,6	13,2	19,8	19,8
100A	6	12	18	18
125A	8	16	24	24

<b>MOTOR KORUMA ŞALTERİ ISI KAYBI/MOTOR PROTECTION POWER LOSS (WATT)</b>	
<b>AMPER/AMPERE</b>	<b>3-KUTUP/3-POLES</b>
0,16-0,25A/0,06KW	7.5
0,25-0,40A/0,09W	7.5
0,40-0,63A/0,12KW	7.5
0,40-0,63A/0,18KW	7.5
0,63-1,00A/0,25KW	7.5
1,00-1,60A/0,37KW	7.5
1,00-1,60A/0,55KW	7.5
1,60-2,50A/0,75KW	7.5
2,50-4,00A/1,5KW	7.5
4,00-6,30A/2,2KW	7.5
6,00-10,0A/4KW	7.5
9,00-14,0A/5,5KW	7.5
13,0-18,0A/7,5KW	7.5
17,0-23,0A/9KW	7.5
20,0-25,0A/11KW	7.5
24,0-32,0A/15KW	7.5
30,0-40,0A/18,5KW	24
37,0-50,0A/22KW	24
48,0-65,0A/30KW	24
56,0-80,0A/37KW	24
60-100A/45KW	15
90-150A/55KW-75KW	26.1
132-220A/90-110KW	43.5

<b>KONTAKTÖR ISI KAYBI/CONTACTOR POWER LOSS (WATT)</b>	
<b>AMPER/AMPERE</b>	<b>3-KUTUP/3-POLES</b>
9A	0.6
12A	1.08
18A	2.4
25A	3.75
32A	6
38A	9
40A	7.2
50A	11.1
65A	12.6
80A	15.3
95A	21.6
115A	23.7
150A	40.5
185A	36
225A	48
265A	63
330A	93
400A	126
500A	135
630A	144
780A	180
800A	231
1000A	540
1500A	870
1800A	1080

<b>SABİT TERMİK MANYETİK ŞALTER ISI KAYBI/FIXED MCCB POWER LOSS (WATT)</b>	
<b>AMPER/AMPERE</b>	<b>3-4 KUTUP/3-4 POLES</b>
16A	4.2
20A	5.1
25A	6.9
32A	8.1
40A	11.7
50A	12.9
63A	12.9
80A	14.4
100A	16.8
125A	19.8
160A	23.7
200A	29.7
250A	41.1
320A	40.8
400A	58.5
500A	86.4
630A	91.8
800A	93
1000A	150
1250A	234.9
1600A	231

**ÇEKMECELİ TERMİK MANYETİK ŞALTER ISI KAYBI/WIDTHDRAWABLE MCCB POWER LOSS (WATT)**

<b>AMPER/AMPERE</b>	<b>3-4 KUTUP/3-4 POLES</b>
20A	10.8
32A	11.1
50A	12.3
63A	15.3
80A	15
100A	17.4
125A	21.6
160A	27
200A	37.2
250A	52.8
320A	62.7
400A	93
500A	110.1
630A	117
800A	118.8
1000A	225
1250A	351.9
1600A	423

<b>SABİT AÇIK TİP ŞALTER ISI KAYBI/FIXED ACB POWER LOSS (WATT)</b>	
<b>AMPER/AMPERE</b>	<b>3-4 KUTUP/3-4 POLES</b>
630A	50
800A	80
1000A	125
1250A	196
1600A	253
2000A	180
2500A	335
3200A	330
4000A	360
5000A	415
6300A	650

<b>ÇEKMECELİ AÇIK TİP ŞALTER ISI KAYBI/WIDTHDRAWABLE ACB POWER LOSS (WATT)</b>	
<b>AMPER/AMPERE</b>	<b>3-4 KUTUP/3-4 POLES</b>
630A	87
800A	140
100A	219
1250A	342
1600A	378
2000A	330
2500A	515
3200A	570
4000A	660
5000A	700
6300A	1100

<b>SÜRÜCÜ ISI KAYBI/MOTOR DRIVE POWER LOSS (WATT)</b>	
<b>MOTOR GÜCÜ/MOTOR RATING</b>	<b>SÜRÜCÜ ISI KAYBI/INVERTER POWER LOSS (WATT)</b>
1,1KW	40
1,5 KW	52
2,2KW	73
3 KW	97
4KW	127
5,5KW	172
7,5KW	232
11KW	337
15KW	457
18,5KW	562
22KW	667
30KW	907
37KW	1120
45KW	1440
55KW	1940
75KW	2310
90KW	2810
110KW	3050
132KW	3260
160KW	3850
200KW	6850
250KW	7850
280KW	7600
315KW	8100
355KW	9100

<b>SOFTSTARTER ISI KAYBI/MOTOR SOFTSTARTER POWER LOSS (WATT)</b>	
<b>MOTOR GÜCÜ/MOTOR RATING</b>	<b>SOFTSTARTER ISI KAYBI/SOFTSTARTER POWER LOSS (WATT)</b>
15KW	100
18,5KW	120
22KW	140
25KW	160
30KW	190
37KW	230
45KW	270
55KW	325
75KW	435
90KW	540
110KW	645
132KW	765
160KW	920
200KW	1090
250KW	1110
315KW	1110
400KW	1110
450KW	1170
560KW	1170



PLC CİHAZLARI ISI KAYBI/PLC COMPONENTS POWER LOSS (WATT)	
MODEL	ISI KAYBI/POWER LOSS (WATT)
CPU 312C	8
CPU 313C	12
CPU 313C-2PTP	9
CPU 313C-2DP	9
CPU 314C-2 PTP	13
CPU 314C-2 DP	13
CPU 314C-2 PN/DP	16
CPU 312	4
CPU 314	4
CPU 315-2 DP	4.5
CPU 315-2 PN/DP	4.65
CPU 317-2 DP	4.5
CPU 317-2 PN/DP	4.65
CPU 319-3 PN/DP	14
SM 321 16 DI	4
SM 322 16 DO	8.6
SM 331 8 AI	1
SM 332 4 AO	3

Bu dökümandaki ısı kaybı tabloları hazırlanırken, beş farklı markanın verdiği değerlerin aritmetik ortalaması alınmıştır.

PLC ürünlerindeki ısı kaybı çizelgesinde ise Siemens S7-300 serisi referans alınmıştır.