OEM Automatic Sp. z o.o.
ul. Działkowa 121 A, 02-234 Warszawa
+48 22 863 27 22 | info@pl.oem.se | www.oemautomatic.pl

SERIA ER

ER1-450-24-B-A1-2-BB-D1



- 1 - 6-polowe
- 0.1-120 A

OPIS PRODUKTU

Firma Mors Smitt ze względu na swoje świetne zorientowanie na potrzeby klienta oferuje szeroką gamę wyłączników miniaturowych o przeróżnych specyfikacjach, aby sprostać najwyższym wymaganiom. Zamówienia należy komponować zgodnie z poniższą formatką. Przedstawione produkty są przykładowe.

ER	1	-	610	-	24	-	B	-	A	-	1	-	4	-	B	B	-	B	-	1
1. Series	2. Poles		3. Current rating		4. Frequency & delay		5. Circuit		6. Actuator		7. Actuator colour		8. Auxiliary switch		9. Terminal	10. Mounting & barriers		11. Maximum application rating		12. Agency approval

1 Series

ER

2 Poles[1]

1	One	4	Four
2	Two	5	Five
3	Three	6	Six

3 Current rating (amperes)

210	0.100	512	1.250	485	8.500	630	30.000
215	0.150	515	1.500	490	9.000	635	35.000
220	0.200	517	1.750	495	9.500	640	40.000
225	0.250	520	2.000	610	10.000	650	50.000
230	0.300	522	2.250	611	11.000	660	60.000
235	0.500	525	2.500	711	11.500	670	70.000
240	0.400	527	2.750	612	12.000	680	80.000
245	0.450	530	3.000	712	12.500	690	90.000
250	0.500	535	3.500	613	13.000	810	100.000
260	0.600	540	4.000	614	14.000	812[4]	120.000
265	0.650	545	4.500	615	15.000	912[5]	125.000
270	0.700	550	5.000	616	16.000		
275	0.750	555	5.500	617	17.000		
280	0.800	560	6.000	618	18.000		
285	0.850	565	6.500	620	20.000		
290	0.900	570	7.000	622	22.000		
295	0.950	575	7.500	624	24.000		
410	1.000	580	8.000	625	25.000		

Or voltage coil (nominal rated voltage)[2]

A06	6 DC, 5 DC	J06	6 AC, 5 AC
A12	12 DC, 10 DC	J12	12 AC, 10 AC
A18	18 DC, 15 DC	J18	18 AC, 15 AC
A24	24 DC, 20 DC	J24	24 AC, 20 AC
A32	32 DC, 25 DC	J48	48 AC, 40 AC
A48	48 DC, 40 DC	J65	65 AC, 55 AC
A65	65 DC, 55 DC	K20	120 AC, 65 AC
B25	125 DC, 100 DC	L40	240 AC, 130 AC

Other values on request

4 Frequency & delay

03[4]	DC, 50/60 Hz, switch only
10	DC, instantaneous
12	DC, short
14	DC, medium
16	DC, long
20	50/60 Hz instantaneous
22	50/60 Hz short
24	50/60 Hz medium
26	50/60 Hz long
30	DC, 50/60 Hz, short
34	DC, 50/60 Hz, medium
36	DC, 50/60 Hz, long
62	50/60 Hz short, hi-inrush
64	50/60 Hz medium, hi-inrush
66	50/60 Hz long, hi-inrush
72	DC, short, hi-inrush
74	DC, medium, hi-inrush
76	DC, long, hi-inrush

5 Circuit[3]

A[4]	Switch only (no coil)
B	Series trip (current)
C	Series trip (voltage)
D	Shunt trip (current)

6 Actuator

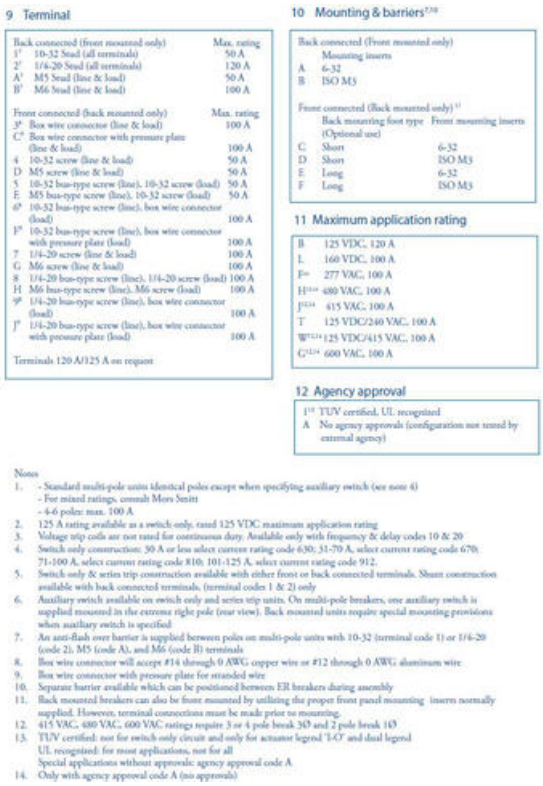
A	Handle, one per pole

7 Actuator colour & legend

Actuator colour	I-O	ON-OFF	Dial	Legend colour
White	A	B	1	Black
Black	C	D	2	White
Red	F	G	3	White
Green	H	J	4	White
Blue	K	L	5	White
Yellow	M	N	6	Black
Grey	P	Q	7	Black
Orange	R	S	8	Black

8 Auxiliary switch[4]

0	Without auxiliary switch
2	SPDT, 0.110 QC terminals
3	SPDT, 0.139 solder lug
4	SPDT, 0.110 QC terminals (gold contacts)



9 Terminal

Back connected (front mounted only)	Max. rating
1[1] 10-32 Stud (all terminals)	50 A
2[1] 1/4-20 Stud (all terminals)	120 A
A[1] M5 Stud (line & load)	50 A
B[1] M6 Stud (line & load)	100 A
Front connected (back mounted only)	**Max. rating**
3[6] Box wire connector (line & load)	100 A
C[7] Box wire connector with pressure plate (line & load)	100 A
4 10-32 screw (line & load)	50 A
D M5 screw (line & load)	50 A
5 10-32 bus-type screw (line), 10-32 screw (load)	50 A
E M5 bus-type screw (line), 10-32 screw (load)	50 A
6[8] 10-32 bus-type screw (line), box wire connector (load)	100 A
J[8] 10-32 bus-type screw (line), box wire connector with pressure plate (load)	100 A
7 1/4-20 screw (line & load)	100 A
G M6 screw (line & load)	100 A
8 1/4-20 bus-type screw (line), 1/4-20 screw (load)	100 A
H M6 bus-type screw (line), M6 screw (load)	100 A
9[8] 1/4-20 bus-type screw (line), box wire connector (load)	100 A
J[9] 1/4-20 bus-type screw (line), box wire connector with pressure plate (load)	100 A

Terminals 120 A/125 A on request

10 Mounting & barriers[7,10]

Back connected (Front mounted only)	
Mounting inserts	
A 6-32	
B ISO M3	
Front connected (Back mounted only)[11]	
Back mounting foot type (Optional use)	Front mounting inserts
C Short	6-32
D Short	ISO M3
E Long	6-32
F Long	ISO M3

11 Maximum application rating

B	125 VDC, 120 A
L	160 VDC, 100 A
F[12]	277 VAC, 100 A
H[12,14]	480 VAC, 100 A
J[12,14]	415 VAC, 100 A
T	125 VDC/240 VAC, 100 A
W[12,14]	125 VDC/415 VAC, 100 A
G[12,14]	600 VAC, 100 A

12 Agency approval

1[13]	TUV certified, UL recognized
A	No agency approvals (configuration not tested by external agency)

Notes

1. - Standard multi-pole units identical poles except when specifying auxiliary switch (see note 6)
   - For mixed ratings, consult Mors Smitt
   - 4-6 poles: max. 100 A
2. 125 A rating available as a switch only, rated 125 VDC maximum application rating
3. Voltage trip coils are not rated for continuous duty. Available only with frequency & delay codes 10 & 20
4. Switch only construction: 30 A or less select current rating code 630; 31-70 A, select current rating code 670; 71-100 A, select current rating code 810; 101-125 A, select current rating code 912.
5. Switch only & series trip construction available with either front or back connected terminals. Shunt construction available with back connected terminals. (terminal codes 1 & 2) only
6. Auxiliary switch available on switch only and series trip units. On multi-pole breakers, one auxiliary switch is supplied mounted in the extreme right pole (rear view). Back mounted units require special mounting provisions when auxiliary switch is specified
7. An anti-flash over barrier is supplied between poles on multi-pole units with 10-32 (terminal code 1) or 1/4-20 (code 2), M5 (code A), and M6 (code B) terminals
8. Box wire connector will accept #14 through 0 AWG copper wire or #12 through 0 AWG aluminum wire
9. Box wire connector with pressure plate for stranded wire
10. Separate barrier available which can be positioned between ER breakers during assembly
11. Back mounted breakers can also be front mounted by utilizing the proper front panel mounting inserts normally supplied. However, terminal connections must be made prior to mounting.
12. 415 VAC, 480 VAC, 600 VAC ratings require 3 or 4 pole break 3Ø and 2 pole break 1Ø
13. TUV certified: not for switch only circuit and only for actuator legend "I-O" and dual legend
    UL recognized: for most applications, not for all
    Special applications without approvals: agency approval code A
14. Only with agency approval code A (no approvals)

Wszystkie wyłączniki firmy Mors Smitt są projektowane zgodnie z normami:

- IEC 60077-1/2/3/4
- NF F62-001 - 1/2/3
- NF F16-101/102
- EN 45545-2
- EN 50155
- EN 61373
- EN 50124-1
- IEC 60068-2-30
- IEC 60068-2-52
- NF F61-010