

SERIA ER

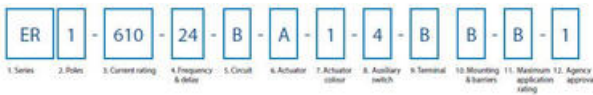
ER1-450-24-B-A1-2-BB-D1

- 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.



1 Series

ER

2 Poles¹⁾

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

3 Current rating (amperes)

210	0.100	152	1.250	485	8.300	630	30.000
215	0.150	415	1.500	490	9.000	635	35.000
220	0.200	517	1.750	495	9.500	640	40.000
225	0.250	420	2.000	610	10.000	650	30.000
230	0.300	522	2.250	611	11.000	660	60.000
235	0.500	425	2.500	711	11.500	670	70.000
240	0.400	527	2.750	612	11.000	680	80.000
245	0.450	430	3.000	712	12.500	690	90.000
250	0.500	435	3.500	613	11.000	810	100.000
260	0.600	440	4.000	614	14.000	817	120.000
265	0.650	445	4.500	615	15.000	812	125.000
270	0.700	450	5.000	616	16.000		
275	0.750	455	5.500	617	17.000		
280	0.800	460	6.000	618	18.000		
285	0.850	465	6.500	620	20.000		
290	0.900	470	7.000	622	22.000		
295	0.950	475	7.500	624	24.000		
410	1.000	480	8.000	625	25.000		

1kV voltage coil (nominal rated voltage)²⁾

A06	6 DC, 5 AC	700	6 AC, 5 AC
A12	12 DC, 10 AC	112	12 AC, 10 AC
A18	18 DC, 15 AC	118	18 AC, 15 AC
A24	24 DC, 20 AC	124	24 AC, 20 AC
A32	32 DC, 25 AC	148	48 AC, 40 AC
A48	48 DC, 30 AC	165	65 AC, 55 AC
A65	65 DC, 35 AC	170	70 AC, 65 AC
B25	125 DC, 100 AC	140	240 AC, 130 AC

Order values on request

4 Frequency & delay

03 ³⁾	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, bi-trip
64	50/60 Hz medium, bi-trip
66	50/60 Hz long, bi-trip
72	DC, short, bi-trip
74	DC, medium, bi-trip
76	DC, long, bi-trip

5 Circuit⁴⁾

A ⁵⁾	Switch only (no coil)
B	Series trip (current)
C	Series trip (voltage)
D	Shunt trip (current)

6 Actuator

A	Handle, one per pole
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7 Actuator colour & legend

Actuator colour	LO	ON/OFF	Dual	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 switch⁶⁾

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

	Max. rating
Back connected (front mounted only)	
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)	
3 ¹⁾ Box wire connector (line & load)	100 A
C ¹⁾ 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 ¹⁾ 10-32 bus-type screw (line), box wire connector (load)	100 A
F ¹⁾ 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 ¹⁾ 1/4-20 bus-type screw (line), box wire connector (load)	100 A
J ¹⁾ 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 & barriers¹⁾

Back connected (front mounted only)	
Mounting inserts	
A	6-32
B	ISO M3
Front connected (back mounted only)¹⁾	
Back mounting foot type: Front mounting inserts (Optional use)	
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 ¹⁾	277 VAC, 100 A
H ¹⁾	480 VAC, 100 A
J ¹⁾	415 VAC, 100 A
T	125 VDC/240 VAC, 100 A
W ¹⁾	125 VDC/415 VAC, 100 A
C ¹⁾	600 VAC, 100 A

12 Agency approval

1 ¹⁾	ULV certified, UL recognized
A	No agency approvals (configuration not tested by external agency)

Notes

- Standard multi-pole units identical poles except when specifying auxiliary switch (see note 4)
- For mixed ratings, consult Mors Smitt
- 4-0 poles max. 100 A
- 125 A rating available as a switch only, rated 125 VDC, maximum application rating
- Voltage trip coils are not tested for continuous duty. Available only with frequency & delay codes 10 & 20
- Switch only construction: 50 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
- 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
- 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
- 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
- Box wire connector will accept #14 through 0 AWG copper wire or #12 through 0 AWG aluminum wire
- Box wire connector with pressure plate for stranded wire
- Separate barrier available which can be positioned between ER breakers during assembly
- 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
- 415 VAC, 480 VAC, 600 VAC ratings require 3 or 4 pole break 30 and 2 pole break 10
- ULV certified: not for switch only circuit and only for actuator legend 1-CY and dual legend
UL recognized: for most applications, not for all
Special applications without appropriate agency approval code A
- 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