

SERIA GR

GR1-410-16-B-S1-2-1-22-2

- 1 - 4-polowe
- 0.2-63 A
- Do 440 V AC
- Do 110 V DC

**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.

Ordering scheme GR - page 1

GR	code continues on following page
Poles	1 pole
	2 poles
	3 poles
	4 poles
Current rating (ampere):	250 0.200
	250 0.500
	400 1.000
	410 4.500
	420 2.000
	425 2.500
	430 3.000
	435 3.500
	440 4.000
	445 4.500
	450 5.000
	460 6.000
	470 7.000
	480 8.000
	490 9.000
	510 10.000
	515 11.000
	520 12.000
	530 13.000
	535 14.000
	540 15.000
	550 16.000
	555 17.000
	560 18.000
	570 20.000
	580 25.000
	590 30.000
	600 32.000
	610 36.000
	620 40.000
	630 50.000
	640 60.000
(Other ratings on request)	650 63.000
Frequency & delay	05 DC, 50/60 Hz, switch only
	10 DC instantaneous
	11 DC ultra short
	12 DC short
	14 DC medium
	16 DC long
	20 50/60 Hz instantaneous
	21 50/60 Hz ultra short
	22 50/60 Hz short
	24 50/60 Hz medium
	26 50/60 Hz long
	42 50/60 Hz short, N-inrush
	44 50/60 Hz medium, N-inrush
	46 50/60 Hz long, N-inrush
	52 DC, short, N-inrush
	54 DC, medium, N-inrush
	56 DC, long, N-inrush

Ordering scheme GR - page 2

GR	code continues on following page															
Circuit	Switch only (no coil)															
	Series trip (current)															
Actuator	Handle, one per pole															
	180-degree handle, one per pole															
Actuator colour & legend	<table border="1"> <thead> <tr> <th>Actuator colour</th> <th>1-0</th> <th>On/Off</th> <th>Dual</th> <th>Legend colour</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>A</td> <td>B</td> <td>1</td> <td>Black</td> </tr> <tr> <td>Black</td> <td>C</td> <td>D</td> <td>2</td> <td>White</td> </tr> </tbody> </table>	Actuator colour	1-0	On/Off	Dual	Legend colour	White	A	B	1	Black	Black	C	D	2	White
Actuator colour	1-0	On/Off	Dual	Legend colour												
White	A	B	1	Black												
Black	C	D	2	White												
Auxiliary switch	Without auxiliary switch															
	S.P.D.T. screw terminal															
	S.P.D.T. screw terminal, gold contacts															
	S.P.D.T. screw terminal with internal diode															
	S.P.D.T. screw terminal, gold contacts, with internal diode															
	Internal connector															
	Internal connector, gold contacts															
	Internal connector with internal diode															
	Internal connector, gold contacts, with internal diode															
Terminal	Screw terminal															
Application rating	110 VDC															
	240 VAC															
	480VAC															
Terminal polarity	Non-polarity sensitive															
	For single pole DC breaker															
	Load terminal (+connected with bottom terminal)															
	Line terminal (+connected with top terminal)															
Agency approval	TUV certified															
	No agency approvals (configuration not tested by external agency)															

Special configurations, not covered by this ordering scheme, on request.

Example : GR1-610-24-B-A1-2-1-DA-2

Notes:

- When a breaker is mounted with the handle pointing downwards (e.g. ceiling mounting) the nominal value of the breaker will decrease with 10%. In this situation it is recommended to add 10 % to the rated current
 - Current rating in switch only circuit:
 - for 0.2 to 30 A select current code 650
 - for 30 to 50 A select current code 650
 - for 50 to 63 A select current code 653
 - On multi-pole breakers one auxiliary switch is supplied, mounted in the extreme left pole (front view)
 - 3 pole breaker required
 - Requires AC rating or multi-pole DC break (contacts in series)
 - TUV certified: only for actuator legend 'Dual' and '1-0'
- Not for actuator legend 'ON-OFF', not for switch only circuit, not for DC more than 2 poles, not for delay curve 50; use code A instead (no agency 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