

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.

Poles	GR	code continues on following page
1	1	1 pole
2	2	2 poles
3	3	3 poles
4	4	4 poles
Current rating (amperes)		
	250	0.200
	250	0.500
	415	1.000
	415	4.500
	425	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
	531	11.000
	532	12.000
	533	13.000
	535	15.000
	535	16.000
	537	17.000
	538	18.000
	539	20.000
	539	25.000
	539	30.000
	537	32.000
	535	36.000
	540	40.000
	539	50.000
	539	60.000
	535	63.000
(Other ratings on request)		
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, tri-inrush
	44	50/60 Hz medium, tri-inrush
	46	50/60 Hz long, tri-inrush
	52	DC, short, tri-inrush
	54	DC, medium, tri-inrush
	56	DC, long, tri-inrush

Circuit	A															
Actuator	A B															
Actuator colour & legend	<table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Actuator symbol</th> <th>No.</th> <th>On-off</th> <th>Due</th> <th>Legend colour</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1</td> <td>-</td> <td>1</td> <td>Black</td> </tr> <tr> <td>B</td> <td>2</td> <td>-</td> <td>2</td> <td>White</td> </tr> </tbody> </table> Switch only (no coil) Series trip current Handle, one per pole Mid-trip handle, one per pole	Actuator symbol	No.	On-off	Due	Legend colour	A	1	-	1	Black	B	2	-	2	White
Actuator symbol	No.	On-off	Due	Legend colour												
A	1	-	1	Black												
B	2	-	2	White												
Auxiliary station	- 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 - D.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	1															
Application rating	- screw terminal 110 VDC 240 VAC 40A@3C*															
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)															

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

1. When a breaker is mounted with the handle pointing downwards (i.e. 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
2. Current rating in switch only circuit:
 - for 0.2 to 20 A select current code 630
 - for 30 to 150 A select current code 650
 - for 50 to 63 A select current code 663
3. On multi-pole breakers one auxiliary switch is supplied, mounted in the extreme left pole (front view)
4. 2 pole breaker required
5. Requires AC rating or multi-pole DC break (contracts in series)
6. TÜV certified, only for auxiliary legends "D" and "I-O"
7. Use 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 approval).

- 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