



## Limit controllers

for direct current

Type:  
**PQ .. DIN**

Square cut-out  
Class 1,5  
Moving-coil measuring system

metal housing



| Type              | PQ 96 DIN                        | PQ 96 DIN                         | PQ 144 DIN                       | PQ 144 DIN                        |
|-------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|
|                   | Min-contact<br>or<br>Max-contact | Min-contact<br>and<br>Max-contact | Min-contact<br>or<br>Max-contact | Min-contact<br>and<br>Max-contact |
| Front frame (mm)  | 96 x 96                          | 96 x 96                           | 144 x 144                        | 144 x 144                         |
| Cut-out (mm)      | 92 x 92                          | 92 x 92                           | 138 x 138                        | 138 x 138                         |
| Scale length (mm) | 90                               | 90                                | 130                              | 130                               |
| Weight (kg)       | 0,48                             | 0,48                              | 0,90                             | 0,90                              |



## Types and variants

### Measuring ranges

|  |      |          |   |   |   |   |
|--|------|----------|---|---|---|---|
| μA                                       | 100  | Ri / Δ U |   |   |   |   |
|  | 150  | 2575 Ω   |   |   |   |   |
|  | 250  | 955 Ω    | X | X | X | X |
|  | 400  | 420 Ω    |   |   |   |   |
|  | 600  | 167 Ω    |   |   |   |   |
| mA                                       |      | 77 Ω     |   |   |   |   |
|  | 1    | 28,6 Ω   |   |   |   |   |
|  | 1,5  | 14,2 Ω   |   |   |   |   |
|  | 2,5  | 7,6 Ω    |   |   |   |   |
|  | 4    | 3,8 Ω    |   |   |   |   |
|  | 6    | 1,9 Ω    |   |   |   |   |
|  | 10   | 1,4 Ω    |   |   |   |   |
|  | 15   | 1,3 Ω    |   |   |   |   |
|  | 25   | 60 mV    | X | X | X | X |
|  | 40   | 60 mV    |   |   |   |   |
|  | 60   | 60 mV    |   |   |   |   |
| A  | 100  | 60 mV    |   |   |   |   |
|  | 150  | 60 mV    |   |   |   |   |
|  | 250  | 60 mV    |   |   |   |   |
|  | 400  | 60 mV    |   |   |   |   |
|  | 600  | 60 mV    |   |   |   |   |
|  | 1    | 60 mV    | X | X | X | X |
|  | 1,5  | 60 mV    |   |   |   |   |
|  | 2,5  | 60 mV    |   |   |   |   |
| <b>for use with shunt</b>                |      |          |   |   |   |   |
| mV                                       | 60   | 12 Ω     |   |   |   |   |
|  | 100  | 20 Ω     | X | X | X | X |
|  | 150  | 30 Ω     |   |   |   |   |
| <b>for use with measuring transducer</b> |      |          |   |   |   |   |
| mA                                       | 0-20 | 1,2 Ω    | X | X | X | X |
|  | 4-20 | 50 Ω     | X | X | X | X |
|  | 0-10 | 10 kΩ    | X | X | X | X |

**Alternating current:** with rectifier, type PGQ 96 DIN or PGQ 144 DIN, 40 - 10000 Hz sinusoidal

Measuring ranges between 100 μA and 600 mA

Measuring ranges between 1 A and 25 A

Surcharge:

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