



-power in control

DEIF A/S

Type Certificate

4124010005D

Type:	90° DQ48-x, DQ72-x, DQ96-x, DQ144-x (exchangeable scale) 240° DQ48-xc, DQ72-xc, DQ96-xc, DQ144-xc (exchangeable scale) 240° DQ48-c, DQ72-c, DQ96-c, DQ144-c Moving coil in indication instruments for flush mounting (ammeters and voltmeters)
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Technical specifications	
Scale:	To DIN 43802
* Measuring range DQ48.. DQ72../96../144..	60mV..600V, 1mA..600mA, 4..20mA to DIN 43701 60mV..600V, 1mA..5-10-15-40A, 4..20mA DIN 43701
Instrument sizes	To DIN 43700
Bezels	To DIN 43718
* Accuracy	Class 1.5 (-10...15...30...55°) To IEC/EN 60051

Type test specifications		Tested according to:
Vibration:	3-13.2Hz 3mm 13.2-100Hz 1.0g	Class A, DNV Test 1, GL and LR
Shock:	6 attempts with 15g (in 3 directions) 50g/6ms 22g/20ms	IEC 60068-2-27, Test: EA
Climate	Class HUE	IEC 60068-2-30, test Db
Protection	Standard Housing: IP52 Terminals: IP20 Option Housing, front: IP54 Housing, rear: IP52 Terminals: IP20	IEC/EN 60529
Temperature:	-10...55°C (nominal) -25...60°C (operating) -40...65°C (storage)	IEC/EN 60051
Safety:	600V Cat. III pollution deg. 2	IEC/EN 61010-1
EMC:	Immunity, Emission	IEC/EN 61000-6-1/2/3/4

*) Tested on all units according to specifications. Remaining specifications are tested regularly by test sampling

15th July 2011

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Martin S. Mallan
Type Test Manager