5.3.1 Evaluator

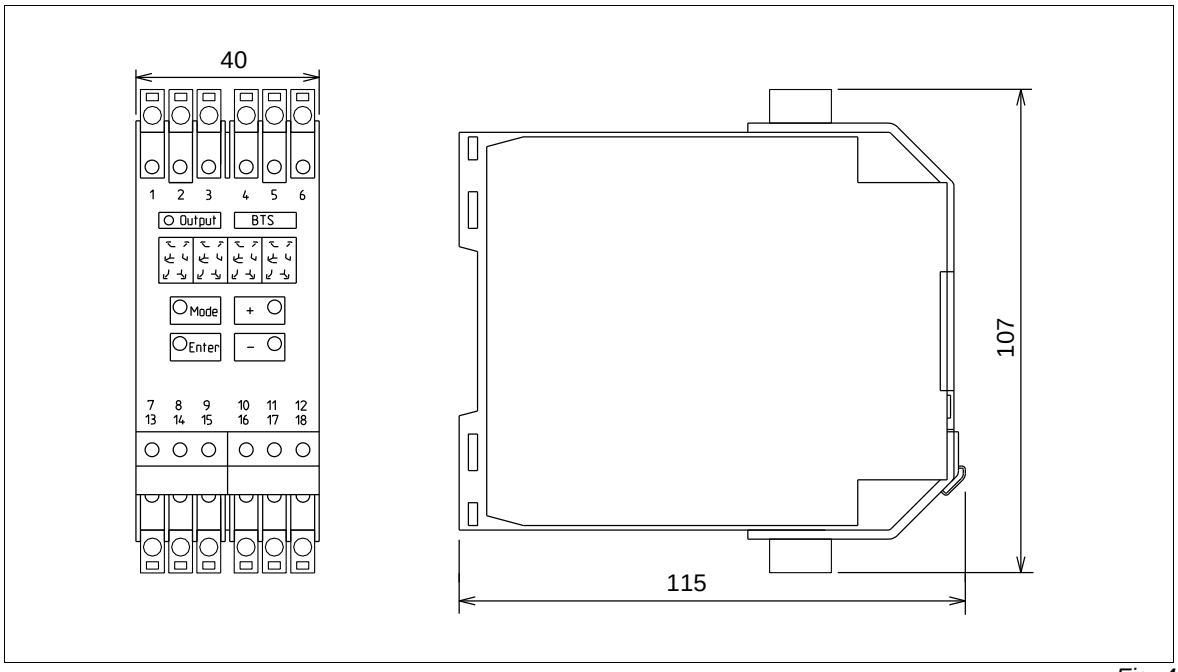

Fig. 4

	Evaluator type KFU8-DW-1.D-209869 [1)]
Supply voltages	230 V AC ± 10%, 47…63 Hz, < 5 VA or 115 V AC ± 10%, 47…63 Hz, < 5 VA or 24 V DC +15% / -10%, residual ripple $U_{ss} \leq 10\%$, < 5 W
Signal input	to DIN EN 60947-5-6 (NAMUR): – no load voltage: 8.2 V DC – short circuit current: 6.5 mA – switching points: ≥ 1.2 mA / ≤ 2.1 mA (terminals 8, 9)
Output relay	changeover contact, switching capacity: – 250 V AC, 2 A, cosφ=0.7 – 40 V DC, 2 A
Start-up bypass	triggering by switching on the supply voltage or by an external signal (16…30 V DC, signal duration > start-up bypass time)
Start-up bypass time	1…120 s in 1 s-steps, set at the factory: 10 s
Ready delay	≤ 400 ms
Limit frequency	– 1 Hz (corresponds to 60 rpm)
Displays	– 4-digit 7-segment display, red, height of characters: 7 mm – LED, yellow, for switching condition of output relay
Design	modular terminal housing
Mounting	– by clipping onto 35 mm standard rail acc. to DIN EN 50022 – or to be screwed by pull-out clips with 90 mm-grid
Stress due to shocks	as per EN 60028-2-27, 15 g, 11 ms, half sinus
Stress due to vibration	as per EN 60028-2-6, 10 Hz … 150 Hz, 1 g, high transition frequency
Connecting terminals	coded plug, max. 2.5 mm^2
Permissible ambient temperature	-25 °C…+50 °C
Relative air humidity	max. 80%, without condensation
Protection to EN 60529	IP 20
EMC according to	EN 50081-2, EN 50082-2
Certificates	CSA 2137693
Weight	approx. 420 g

Table 5

1) Previous device KFU8-DW-1.D-Y128215 can be replaced by this device without any technical modifications.