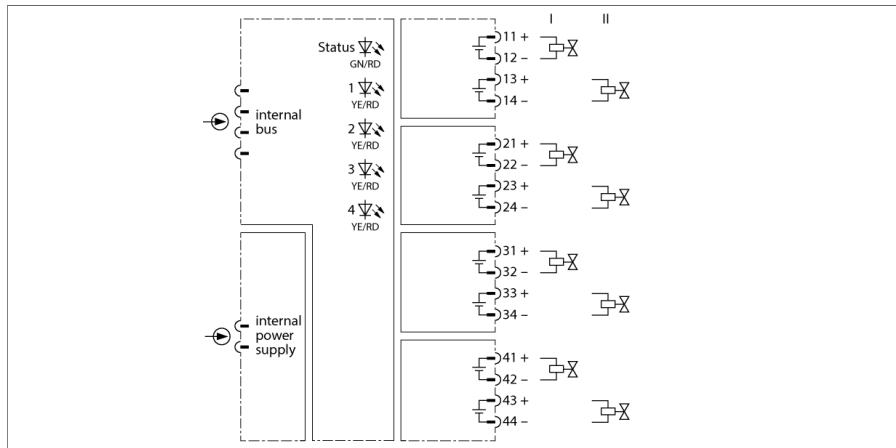


excom I/O System

Output Module, Digital, 4-channel

DO40-N



The output module DO40-N is used for the connection of low-power actuators such as valves or indicator lights.

The outputs of this module are galvanically isolated from each other.

One actuator per channel can be connected. Via selection of connecting terminals, two circuits per channel are made available with different supply data.

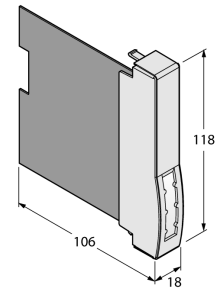
Please see the load curve, showing the connection values for valve control. The following values are supported for example:

- 22.5 V / 5 mA
- 19.0 V / 15 mA
- 16.0 V / 25 mA
- 14.0 V / 35 mA
- 12.0 V / 45 mA

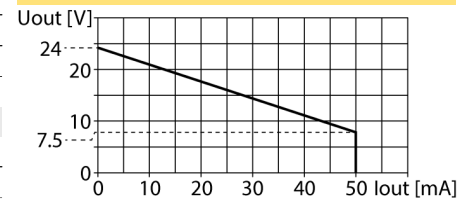
The no-load voltage is 24 VDC or 17.5 VDC. To measure the voltage, use an approx. 32-k Ω resistor.

- Output module for low-power actuators
- Complete galvanic isolation

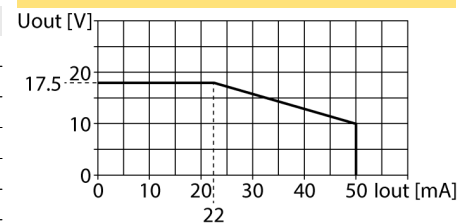
Dimensions



Load curve terminal connection 1+2



Load curve terminal connection 3+4



Type	DO40-N
ID	6884214
Supply voltage	Via module rack, central power supply module
Power consumption	≤ 4.5 W
Galvanic isolation	Complete galvanic isolation
Number of channels	4

Output circuits	for low-power actuators
No-load voltage	24 VDC
Internal resistance R _i	300 Ω
Switching frequency	≤ 50 Hz
Short circuit	≥ 50 mA
Wire break	< 1 mA

Ex approval acc. to conformity certificate	IECEX TUR 21.0012X
Ex approval acc. to conformity certificate	TÜV 21 ATEX 8643 X
Device designation	II 3 G Ex ec IIC T4 Gc

Displays/Operating elements	
Operational readiness	1 × green/red
State/ Fault	4 × yellow/red

Housing material	Plastic
Connection mode	module, plugged on rack
Protection class	IP20
Ambient temperature	-40...+70 °C
Relative humidity	≤ 93 % at 40 °C acc. to IEC 60068-2-78
Vibration test	Acc. to IEC 60068-2-6
Shock test	Acc. to IEC 60068-2-27
EMC	Acc. to EN 61326-1 Acc. to Namur NE21
MTTF	79 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	18 x 118 x 106 mm

Approvals	ATEX cFMus cFM IECEX CE
-----------	-------------------------------------