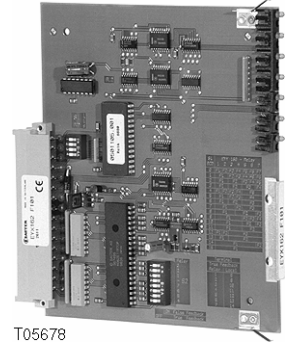


nova106: DO driver card

The driver card forms the interface to the **novaLink160** field module. It communicates with the field module and supplies it with power. The connection to the field module is effected via **novaLink**. The encoding of the 16 different combinations of switching levels is effected on the card.

Application: for controlling the **novaLink160** field module.



T05678

Type	Description	Weight [g]
EYX 162 F101	DO driver card	170
Technical details		
Connectable unit:	EYY 160	
Number of resultant outputs	7	
Power supply	from rack	
Max. current	220 mA	
Power loss, max.	approx. 2.7 W	
novaLink	25 m max. (2 nF / 3 Ω) twisted and shielded, both ends to earth	
	Permissible ambient temp.: Normal operation 0...45 °C Transport and storage temp. -25...70 °C	
	Ambient conditions: Humidity 10...90 %rh without condensation	
	Wiring diagram A04629 Fitting instructions MV 505540	
	Complies with:- EMC directive 89/336/EEC	EN 61000-6-1/ EN 61000-6-3 EN 61000-6-4

Engineering notes

The card is employed in either a EYU 109 or EYU 108 rack. The unit is connected via the **novaLink**. The field telegram and the power supply are transmitted via this point-to-point link. The real or simulated feedback signal is set for each output relay of the unit via the S2 block of switches; the feedback signal is connected at the terminals of the driver card:-

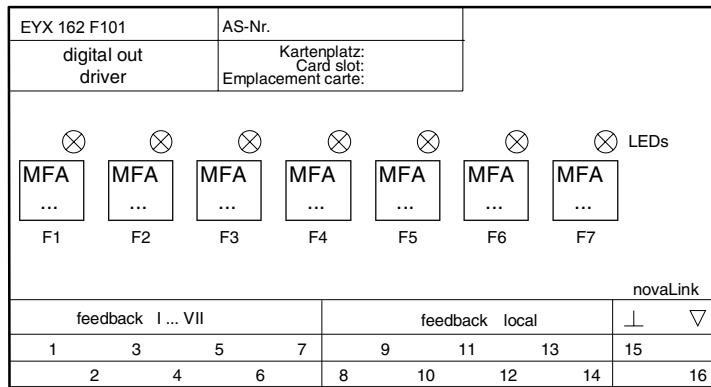
S2	Off: real feedback	On: simulated signal
	relay	
1		3
2		2
3		1
4	spare	
5		7
6		6
7		5
8		4

The combination of functions required on the field module can be set via a block of four switches. There are 16 combinations possible: from 7 × 0-I to 1 × 0-VI. The switching stages are indicated via LEDs in accordance with the coding that was set.

S1	EYY 160 F001 Relay						
1 2 3 4	1	2	3	4	5	6	7
0 0 0 0	F1	F2	F3	F4	F5	F6	F7
0 0 0 1	F1	F2	F3	F4	F5	F6	
0 0 1 0	F1	F2	F3	F4	F5		
0 0 1 1	F1	F2	F3	F4			
0 1 0 0	F1	F2	F3	F4	F5		
0 1 0 1	F1	F2	F3	F4			
0 1 1 0	F1	F2	F3				
0 1 1 1	F1	F2	F3				
1 0 0 0	F1		F2	F3			
1 0 0 1	F1		F2	F3	F4		
1 0 1 0	F1		F2	F3			
1 0 1 1	F1		F2				
1 1 0 0	F1	F2		F3			
1 1 0 1	F1		F2				
1 1 1 0		F1			F2		
1 1 1 1		F1					

B04628

Wiring diagram



A04629

Example for a configuration as per above table for scenario no. 7:-

