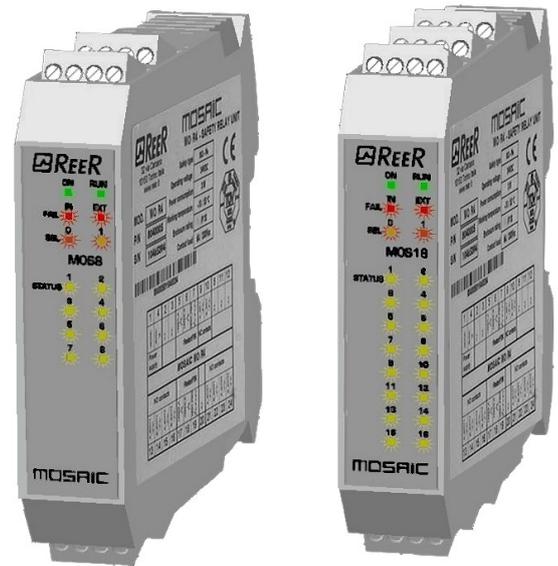


# MOSAIC MOS8/MOS16 OUTPUT EXPANSION UNIT

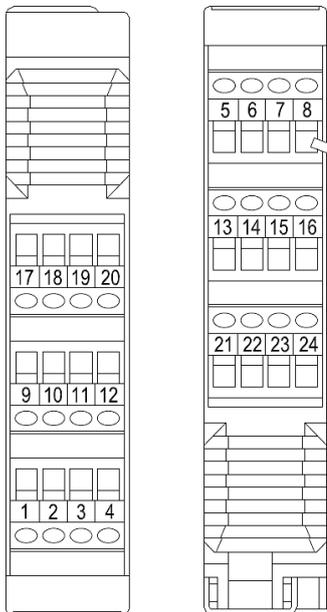
MOS8 and MOS16 are Mosaic family modules equipped respectively with 8 and 16 signaling outputs (programmable through MSD configuration software).

The modules communicate with the M1 controller via the proprietary bus MSC and provide the output signals through their terminal blocks.



MOS8, MOS16 modules

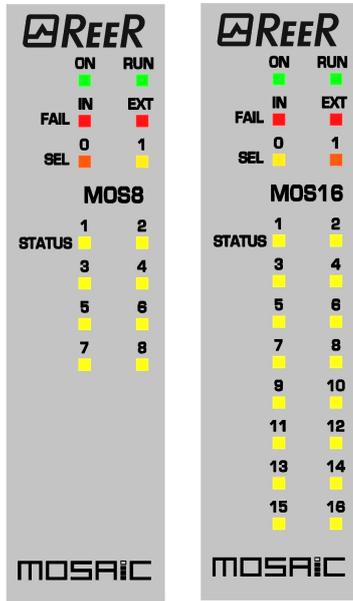
## Electrical Connections



PIN	SIGNAL		DESCRIPTION	OPERATION
	MOS8	MOS16		
1	24VDC	24VDC	24VDC power supply	-
2	NODE_SEL0	NODE_SEL0	Node selection	Input ("type B" according to EN 61131-2)
3	NODE_SEL1	NODE_SEL1		Input ("type B" according to EN 61131-2)
4	0VDC	0VDC	0VDC power supply	-
5	24VDC OUT_STATUS 1-8	24VDC OUT_STATUS 1-8	24VDC power supply signaling outputs 1-8	-
6	-	24VDC OUT_STATUS 9-16	24VDC power supply signaling outputs 9-16	-
7	-	-	-	-
8	-	-	-	-
9	OUT_STATUS1	OUT_STATUS1	Programmable signaling output 1	PNP active high
10	OUT_STATUS2	OUT_STATUS2	Programmable signaling output 2	PNP active high
11	OUT_STATUS3	OUT_STATUS3	Programmable signaling output 3	PNP active high
12	OUT_STATUS4	OUT_STATUS4	Programmable signaling output 4	PNP active high
13	OUT_STATUS5	OUT_STATUS5	Programmable signaling output 5	PNP active high
14	OUT_STATUS6	OUT_STATUS6	Programmable signaling output 6	PNP active high
15	OUT_STATUS7	OUT_STATUS7	Programmable signaling output 7	PNP active high
16	OUT_STATUS8	OUT_STATUS8	Programmable signaling output 8	PNP active high
17	-	OUT_STATUS9	Programmable signaling output 9	PNP active high
18	-	OUT_STATUS10	Programmable signaling output 10	PNP active high
19	-	OUT_STATUS11	Programmable signaling output 11	PNP active high
20	-	OUT_STATUS12	Programmable signaling output 12	PNP active high
21	-	OUT_STATUS13	Programmable signaling output 13	PNP active high
22	-	OUT_STATUS14	Programmable signaling output 14	PNP active high
23	-	OUT_STATUS15	Programmable signaling output 15	PNP active high
24	-	OUT_STATUS16	Programmable signaling output 16	PNP active high



## Light signals



Light signals

LIGHT SIGNALS - NORMAL OPERATION					
RUN	IN FAIL	EXT FAIL	SEL 0/1	STATUS 1/8 (MOS8)	STATUS 1/16 (MOS16)
GREEN	RED	RED	ORANGE	YELLOW	YELLOW
<b>OFF</b> the module waits the first communication from the MASTER	<b>OFF</b> operation OK	<b>OFF</b> operation OK	Shows the NODE_SEL0/1 selection  (Ref. MOSAIC technical manual)	<b>ON</b> The associated SYSTEM STATUS output is active	<b>ON</b> The associated SYSTEM STATUS output is active
<b>BLINKING</b> configuration does not require the INPUT or OUTPUT from Module	<b>ON</b> fault detected: Ref. MOSAIC manual, "DIAGNOSIS FAULT" section	<b>ON</b> fault detected: Ref. MOSAIC manual, "DIAGNOSIS FAULT" section		<b>OFF</b> The associated SYSTEM STATUS output is NOT active	<b>OFF</b> The associated SYSTEM STATUS output is NOT active
<b>ON</b> configuration requires the INPUT or OUTPUT from Module					

## Technical Data

Module	MOS8	MOS16
Rated voltage	24VDC ± 20%	
Max output current	100mA@24VDC (each output)	
Max dissipated power	3W	
Signaling outputs	Programmable - PNP active high	
	8	16
User connection	Terminal blocks (16)	Terminal blocks (24)
Connection to M1	Via MSC bus	
Operating temperature	-10 ÷ 55°C	
Storage temperature	-20 ÷ 85°C	
Relative humidity	10% ÷ 95%	
Dimensions (h x l x d)	108 x 22,5 x 114,5 mm	

