

Reference: 3SU1401-1BB20-1AA0

LED MODULE WITH INTEGRATED LED  
24V AC/DC, RED, SCREW TERMINAL, FOR  
FRONT PLATE MOUNTING

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product brand name	SIRIUS ACT
Product designation	Commanding and signaling devices
Design of the product	LED module
Display:	
Light intensity	800 mcd
Light intensity	450 ... 1 120 mcd
General technical data:	
Product component	
diode	Yes
lamp transformer	No
Light source	Yes
series resistor	No
Insulation voltage	
rated value	320 V
Degree of pollution	3
Surge voltage resistance rated value	4 kV
Consumed current	
maximum	20 mA
Protection class IP	
of the enclosure	IP40
of the terminal	IP20

Shock resistance	
acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
for railway applications acc. to DIN EN 61373	Category 1, Class B
Operating period typical	100 000 h
Equipment marking	
acc. to DIN EN 61346-2	P
acc. to DIN EN 81346-2	P
Main circuit:	
Operating voltage 1	
at AC	
— at 50 Hz rated value	24 V
— at 60 Hz rated value	24 V
at DC rated value	24 V
Relative positive tolerance of the operating voltage	20 %
Relative negative tolerance of the operating voltage	20 %
Connections/ Terminals:	
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )
solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> )
finely stranded without core end processing	2x (1,0 ... 1,5 mm <sup>2</sup> )
at AWG conductors	2x (18 ... 14)
Connectable conductor cross-section	
finely stranded with core end processing	0.5 ... 1.5 mm <sup>2</sup>
Tightening torque	
with screw-type terminals	0.8 ... 0.9 N·m
Lamp:	
Type of light source	LED
Color of the light source	red
Ambient conditions:	
Ambient temperature	
during operation	-25 ... +70 °C
during storage	-40 ... +80 °C

Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted)
Installation/ mounting/ dimensions:	
Mounting type	
of modules and accessories	Front plate mounting
Height	33.2 mm
Witd>	9.8 mm
Depth	29.4 mm