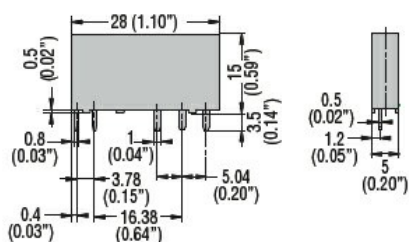


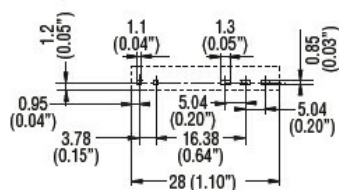


Product designation			SLIM RELAY
Product type designation			HR20
Contact characteristics			
Contact configuration			1 Static
Rated insulation voltage Ui IEC/EN	V	2500 (input/output)	
IEC Conventional free air thermal current Ith	A	4	
Maximum instantaneous current	A	48 (10ms)	
Rated current (In)	A	4	
Relay control voltage	V	24VDC	
Max contrallable power in	AC-1	W	1500
	AC-15	VA	360
Rated operating power AC-1		VA	4A output 3... 28VDC
Rated operating power AC-15	230 VAC	VA	4A output 3... 28VDC
Single-phase motor control	230VAC	kW	4A output 3... 28VDC
Rated operating current DC-1	30V	A	4A output 3... 28VDC
	110V	A	4A output 3... 28VDC
	220V	A	4A output 3... 28VDC
Minimum switching load	V / mA		3 / 0.02
Operating times			
Closing	ms		0.3
Opening	ms		0.3
Operations			
Mechanical life	cycles		Theoretically infinite
Electrical life AC1	cycles		Theoretically infinite
Coil characteristics			
Operating range	Closing	% Un	80...120
Maximum cycle frequency	cycles/h		>100000
Mechanical features			
Max socket terminal tightening torque	Nm		0.5
Socket screw tightening tool (cross / flat blade)			PH0 / 3.5mm
Conductor section			

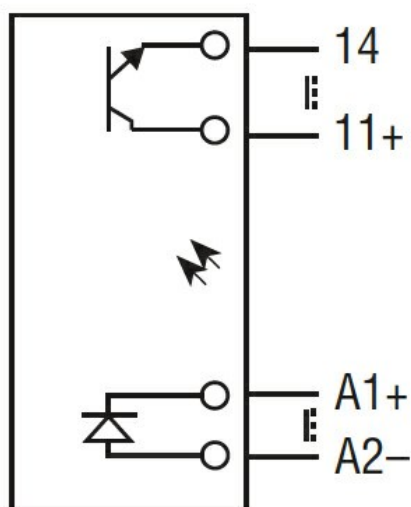
AWG/Kcmil	min	20	
	max	16	
IEC	min	mm ²	0.5
	max	mm ²	1.5
Operating position		normal	Any
Fixing		On 35mm DIN rail	
Ambient conditions			
Temperature			
Operating temperature	min	°C	-30
	max	°C	+80
Storage temperature	min	°C	-30
	max	°C	+100
Other features			
Indication		Yes (on the socket)	
Mechanical contact position indicator		No	
Mechanical test actuator		No	
Dimensions			



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 62314

Certificates

cURus

TÜV-SUD

ETIM classification

ETIM 8.0

EC002055 -
Solid state relay