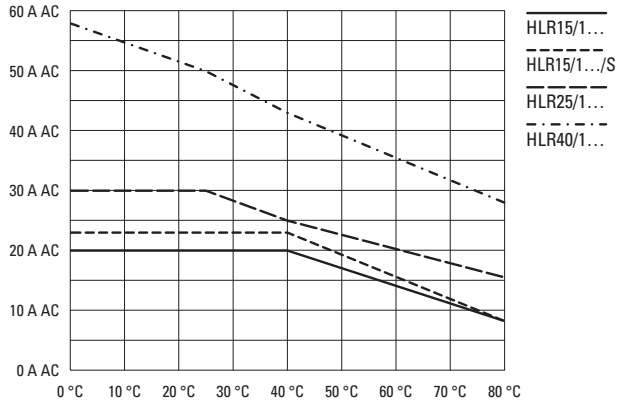


Derating for HLR Solid State Relays

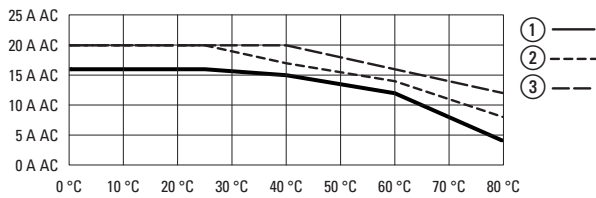
Power dissipation curve

HLR15/1..., HLR25/1..., HLR40/1..., HLR15/1.../S, HLR20/3..., HLR30/3...



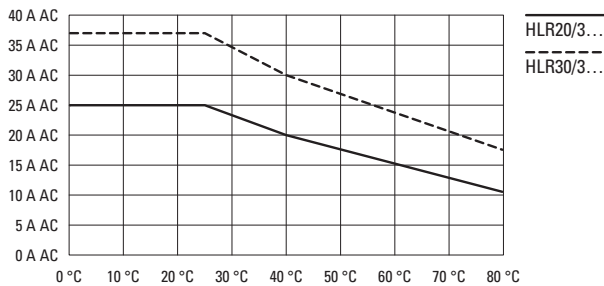
	Temperature 0 °C	25 °C	40 °C	80 °C
HLR15/1...	20 A AC	20 A AC	20 A AC	8.2 A AC
HLR25/1...	30 A AC	30 A AC	25 A AC	15.5 A AC
HLR40/1...	58 A AC	50 A AC	43 A AC	28 A AC
HLR15/1.../S	23 A AC	23 A AC	23 A AC	8.2 A AC

HLR15/1...



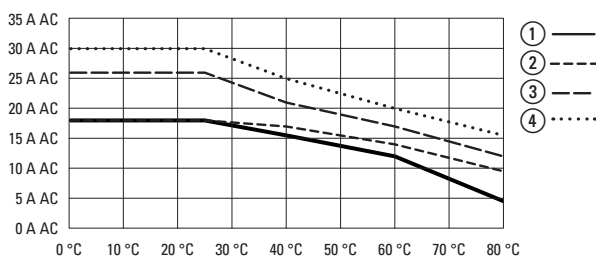
Mounting distance	Temperature 0 °C	25 °C	40 °C	60 °C	80 °C
① 0 mm (0")	16 A AC	16 A AC	15 A AC	12 A AC	4 A AC
② 5 mm (0.2")	20 A AC	20 A AC	17 A AC	14 A AC	8 A AC
③ ≥ 10 mm (≥ 0.39")	20 A AC	20 A AC	20 A AC	16 A AC	12 A AC

HLR20/3..., HLR30/3...



	Temperature 0 °C	25 °C	40 °C	80 °C
HLR20/3...	25 A AC	25 A AC	20 A AC	10.5 A AC
HLR30/3...	37 A AC	37 A AC	30 A AC	17.5 A AC

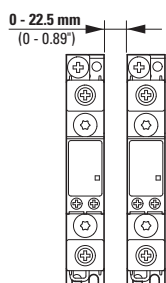
HLR25/1...



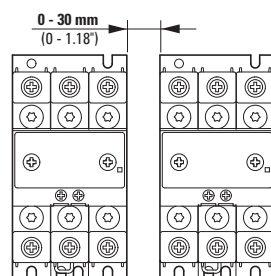
Mounting distance	Temperature 0 °C	25 °C	40 °C	60 °C	80 °C
① 0 mm (0")	18 A AC	18 A AC	15.5 A AC	12 A AC	4.5 A AC
② 5 mm (0.2")	18 A AC	18 A AC	17 A AC	14 A AC	9.5 A AC
③ 10 mm (0.39")	26 A AC	26 A AC	21 A AC	17 A AC	12 A AC
④ ≥ 22.5 mm (≥ 0.89")	30 A AC	30 A AC	25 A AC	20 A AC	15.5 A AC

Mounting distance

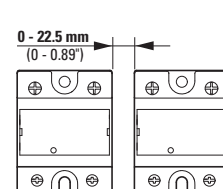
HLR.../1...



HLR.../3...

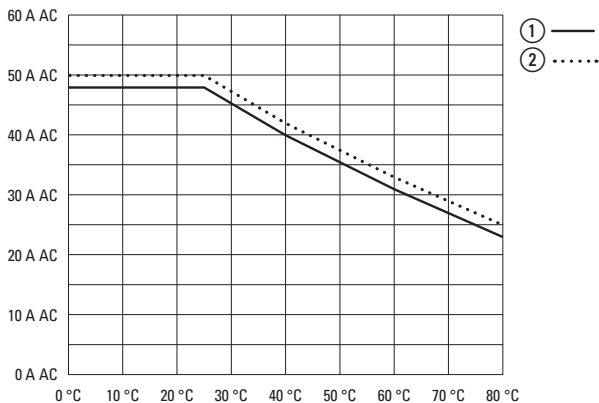


HLR.../1H...



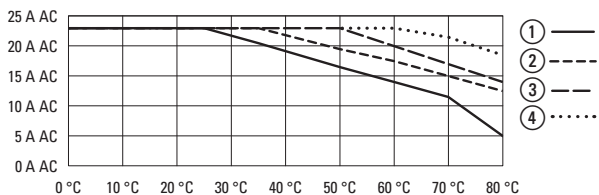
Current carrying capacity depending on the device distance

HLR40/1...



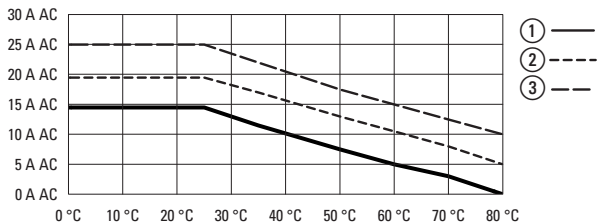
Mounting distance	Temperature				
	0 °C	25 °C	40 °C	60 °C	80 °C
① 0 mm (0")	48 A AC	48 A AC	40 A AC	31 A AC	23 A AC
② ≥ 22.5 mm (≥ 0.89")	50 A AC	50 A AC	42 A AC	33 A AC	25 A AC

HLR15/1.../S



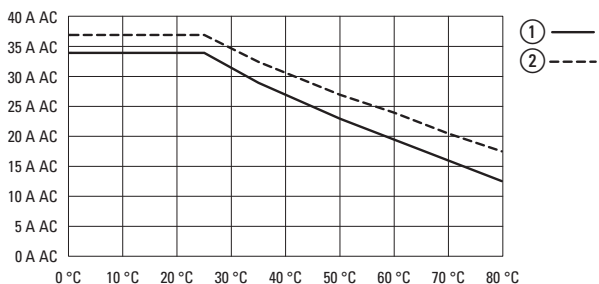
Mounting distance	Temperature						
	0 °C	25 °C	35 °C	50 °C	60 °C	70 °C	80 °C
① 0 mm (0")	23 A AC	23 A AC	20.5 A AC	16.5 A AC	14 A AC	11.5 A AC	5 A AC
② 5 mm (0.2")	23 A AC	23 A AC	23 A AC	19.5 A AC	17.5 A AC	15 A AC	12.5 A AC
③ 10 mm (0.39")	23 A AC	23 A AC	23 A AC	23 A AC	20 A AC	17 A AC	14 A AC
④ single device	23 A AC	23 A AC	23 A AC	23 A AC	23 A AC	21.5 A AC	18.5 A AC

HLR20/3...



Mounting distance	Temperature						
	0 °C	25 °C	35 °C	50 °C	60 °C	70 °C	80 °C
① 0 mm (0")	23 A AC	14.5 A AC	11.5 A AC	7.5 A AC	5 A AC	3 A AC	0 A AC
② 5 mm (0.2")	14.5 A AC	19.5 A AC	17 A AC	13 A AC	10.5 A AC	8 A AC	5 A AC
③ 30 mm (1.18")	19.5 A AC	25 A AC	22 A AC	17.5 A AC	15 A AC	12.5 A AC	10 A AC

HLR30/3...



Mounting distance	Temperature						
	0 °C	25 °C	35 °C	50 °C	60 °C	70 °C	80 °C
① 0 mm (0")	34 A AC	34 A AC	29 A AC	23 A AC	19.5 A AC	16 A AC	12.5 A AC
② 20 mm (0.79")	37 A AC	37 A AC	32.5 A AC	27 A AC	24 A AC	20.5 A AC	17.5 A AC

