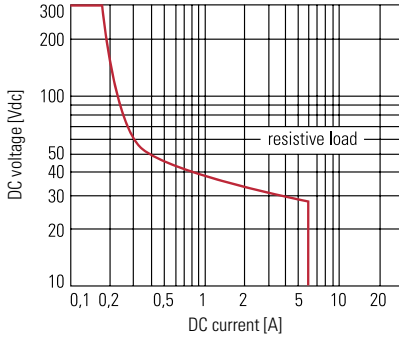


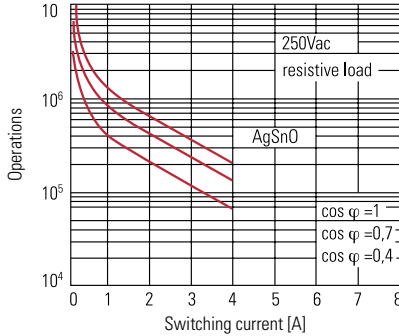
Technical Data

Load Life Curves for General Purpose Product Line

Relay Output – Maximum DC load breaking capacity

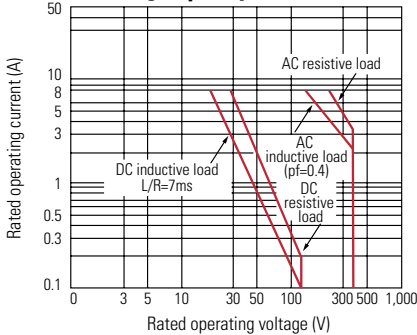


Relay Output – Electrical endurance

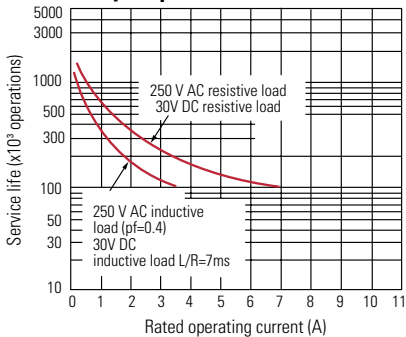


Load Life Curves for Heavy Industrial Product Line

Relay Output – Maximum load breaking capacity



Relay Output – Electrical endurance



Mechanical Ratings		
Description	General Purpose (800Z-G)	Heavy Industrial (800Z-H)
Vibration Endurance	Tested at 10G, 1.52 mm displacement	
Mechanical Shock	Tested at 100G (mechanical durability)	
Degree of Protection	Type 4/4X/13, IP 66, 1200 PSI washdown	Type 4/13, IP 66
Operating Force	Zero	
Electrical Ratings		
Input Voltage (Relay type)	Low Voltage (800Z-GL): 10-40V DC, 20-30V AC Full Voltage (800Z-GF): 85-264V AC	Low Voltage (800Z-HL): 10-40V DC, 20-30V AC
Input Voltage (Solid-State type)	Low Voltage (800Z-GN/GP): 10-30V DC	Full Voltage (800Z-HF): 85-264V AC
Electrical Design Life (Relay type)	Relay Output 200,000 Operations @ 2A inductive, 4A resistive	Relay Output 150,000 Operations @ 5A resistive, 2.5A resistive
Terminal Block Specification	---	IP2X rated Terminal Block Maximum wire range #12-22 AWG (.5-4 mm ²), Tightening Torque: 9 in-lbs (1Nm)
On-delay/Off-delay	60ms	
Current Draw (Solid-state type)	100 mA at 24V DC = 2.23W (no external load)	
Environmental		
Temperature Range (operating)	-25° C to 55° C	
Temperature Range (storage)	-40° C to 85° C	
Humidity	95% RH from 25° C to 50° C (full operation)	
Materials		
Housing/Guard	Valox 357	
Gasket	BUNA-N	1/16" Cork-BUNA-N
Connector	Insulator material (micro connector) = nylon Insulator material (mini connector) = PVC	
Agency Approvals		
Approvals	cUL _{us} , CE, C-TICK, UR, CSA	
Standards Conformity	UL 508, CSA 22.2 No. 14, UL50, EN60947-5-1, EN50081-2, EN61000-6-2, EN60204-1, EN954-1	