

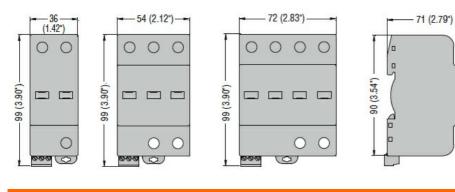


Product designation			Surge Protection Device (SPD)
Product type designation			SA0B
Operating voltage type			AC
Application			AC Power lines
Number of poles			1P+N
Number of DIN modules			2
Relay output			Yes
SPD according to IEC/EN 61643-11			YES
Electrical features			
IEC Maximum continuous voltage Uc		V	320
IEC Impulse current limp 10/350 (L-N/N-PE)		kA	12.5
IEC Maximum discharge current Imax 8/20 (L-N/N-PE)		kA	50 / 100
IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE)		kA	20
IEC Voltage protection level Up (L-N/N-PE)		kV	<1.5 / <1.5
Temporary overvoltage (TOV) withstand Ut (L-N for 5s)		V	334
Temporary overvoltage (TOV) safe fail (L-N for 120min)		V	438
Temporary overvoltage (TOV) withstand (N-PE for 200ms)		V/A	1200V / 300V
IEC Follow current If (N-PE) rms		А	>100
Tripping time ta (L-N/N-PE)		ns	<25 / 100
Thermal insulation protection			YES
IEC Backup protection fuse with supply line fuse >250A (L-N/N-PE)		Class/A	250A gG
IEC Maximum short circuit current at 50Hz		kA	50
IEC Maximum short circuit current at 50Hz Status indicator - operating / end of life		kA	50 Frontal indication/Aux
Status indicator - operating / end of life		kA	Frontal
Status indicator - operating / end of life Ambient conditions		kA	Frontal indication/Aux
Status indicator - operating / end of life			Frontal indication/Aux contact
Status indicator - operating / end of life Ambient conditions	min	°C	Frontal indication/Aux contact -40
Status indicator - operating / end of life Ambient conditions Operating temperature	min max		Frontal indication/Aux contact -40 +85
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude		°C	Frontal indication/Aux contact -40
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features		°C °C	Frontal indication/Aux contact -40 +85 2000
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing		°C °C m	Frontal indication/Aux contact -40 +85 2000 Din rail
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC)		°C °C m mm²	Frontal indication/Aux contact -40 +85 2000 Din rail 25
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC)		°C °C m mm² mm²	Frontal indication/Aux contact -40 +85 2000 Din rail 25 35
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight		°C °C m mm²	Frontal indication/Aux contact -40 +85 2000 Din rail 25
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication		°C °C m mm² mm²	Frontal indication/Aux contact -40 +85 2000 Din rail 25 35 155
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact		°C °C m mm² mm²	Frontal indication/Aux contact -40 +85 2000 Din rail 25 35
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication	max	°C °C m mm² mm² g	Frontal indication/Aux contact -40 +85 2000 Din rail 25 35 155 CO
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact	max	°C °C m mm² g g	Frontal indication/Aux contact -40 +85 2000 Din rail 25 35 155 CO 33
Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact	max	°C °C m mm² mm² g	Frontal indication/Aux contact -40 +85 2000 Din rail 25 35 155 CO

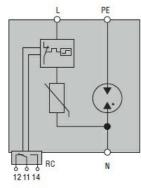


SAOB1NA320R SURGE PROTECTION DEVICE TYPE 1 AND 2 MONOBLOCK, IEC IMPULSE CURRENT IIMP (10/350MS) 12.5KA PER POLE, 1P+N. WITH REMOTE CONTACT

ENERGY AND AUTOMATION



Wiring diagrams



Certifications and compliance Compliance IEC/EN 61643-11 Certificates EAC ETIM classification ETIM 8.0 EC000941 -Surge protection device for power

SA0B1NA320R

supply systems