





## Specifications for Safety relay

<b>Description</b>	SIL3 certified Safety relay with End device fault detection	
<b>Supply Voltage</b>	24V DC +/- 10%	
<b>Input</b>	24V DC +/- 10%	
<b>Output</b>	2 numbers of potential free SPST contacts to drive solenoid coils with supply voltage 110 V DC.	
<b>Contact rating</b>	0.25 A 120 V DC	
<b>Contact material</b>	Silver alloy, Gold plated	
<b>Operating time</b>	Not to exceed 10 milli seconds.	
<b>Fault Detection</b>	Load and line short circuit / open circuit detection	
<b>Fault indication method</b>	1. 1 no potential free SPST contact	
	2. Fault LED on front panel	
	3. Through common power supply module mounted in DIN rail	
<b>Fault contact rating</b>	0.2 A 120 V DC	
<b>Mounting</b>	T35 DIN-Rail according to EN50022.	
<b>Relay Function</b>	Diagnostic, Line Fault Transparency Fault indication output, Immune to test pulses,	
<b>MRPL item code</b>	1000102365	
<b>Model</b>	Vendor to specify	
<b>Notes:</b>		
1. "*" Indicates vendor to specify		
2. Vender to supply latest model		
3. Vender to supply necessary accessories like jack/connector/cable and software for configuration through PC if applicable. (Sape code: 1000102365)		
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### Data Sheet for Proximity Switch Amplifier

General	1	Function	Switch Amplifier
	2	Input	Inductive type proximity sensor/micro switch
	3	No. of channels	Single channel
	4	Output	Two relay operated digital outputs
	5	Safety Integrity Level	SIL2
Classification	6	Hazardous area classification	Zone1, Group II A, II B, II C as per IEC
	7	Protection class	Intrinsically safe (EEx ia)
	8	Protection degree	IP20 or better
	9	Ambient temperature	20 - 60 °C
Electrical Specification	10	Power supply	24VDC +/- 10%
	11	Power consumption	*
	12	Output contact rating	110V AC-4A/24V DC-2A
	13	Open circuit voltage/short circuit current	8 V DC /8 mA
	14	LED indication	Power on /Output/Fault
	15	Lead breakage /Short circuit monitoring	Required
Configurations	16	Isolation	Galvanic isolation required between input, output & power supply
	17	On fault	Output open
	18	Configuration	Field configurable through dip switches
Others	19	Reversible mode of operation	Required
	20	Quantity	As required
	21	Terminal blocks	2.5 mm <sup>2</sup> ( Removable type )
	22	Mounting	On vertically mounted DIN Rail
	23	Model no.	*
	24	MRPL item code	1000153522

**Notes:**

1. "\*" Indicates vendor to specify
2. Vendor to supply the latest model.
3. Vendor to supply necessary accessories like jack/connector/cable and Software for configuration through PC (if applicable).

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