

1301402

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Safety relay for emergency stops, safety doors, and light grids up to SIL 2, Cat. 3, PL d, 1- or 2-channel operation, automatic or manual, monitored start, 3 enabling current paths, 1 signaling current path, $U_S = 24 \text{ V DC}$, plug-in screw terminal block

Your advantages

- Up to Cat. 3/PL d in acc. with EN ISO 13849-1, SIL 2 in acc. with EN IEC 62061, SIL 2 in acc. with IEC 61508
- 3 enabling current paths, 1 signaling current path
- 1- and 2-channel control
- Manually monitored and automatic activation

Commercial data

Item number	1301402
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNA
Product key	DNA121
GTIN	4063151545338
Weight per piece (including packing)	187.5 g
Weight per piece (excluding packing)	156.22 g
Customs tariff number	85371098
Country of origin	DE



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Technical data

Notes

Product type Product family PSRclassic Emergency stop Safety door Light grid Set comprises 1301404 PSR-ME20-3NO-1NC-24DC-SC-SET35 Control 1 and 2 channel Mechanical service life approx. 10 ⁷ cycles Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3 Times Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) 7 typical release time 25 ms (on demand via A1) Restart time Recovery time 4 (500 ms (following demand of the safety function) Rectrical properties Maximum power dissipation for nominal condition Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Eactire safety function application so the safety function of the safety f	Note on application					
Product type Product family PSRclassic Application Application Emergency stop Safety door Light grid Set comprises 1301404 PSR-ME20-3NO-1NC-24DC-SC-SET35 Control 1 and 2 channel Mechanical service life Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3 Times Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) 7 typ. starting time with Us 200 ms (manual, monitored start) 7 typ. starting time with Us 25 ms (on demand via A1) Restart time 4 1 s (Boot time) Recovery time 4 control of the safety function) Rectrical properties Maximum power dissipation for nominal condition Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 5 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage Us Rated control supply current Us Power consumption at Us	Note on application	Only for industrial use				
Product family	roduct properties					
Application Emergency stop Safety door Light grid Set comprises 1301404 PSR-ME20-3NO-1NC-24DC-SC-SET35 Control 1 and 2 channel Mechanical service life approx. 10° cycles Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3 Times Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) 200 ms (manual, monitored start) Typ. starting time with U _s 200 ms (when controlled via A1) Typical release time 25 ms (on demand via the sensor circuit) 60 ms (on demand via A1) Restart time 3 (Seout time) Recovery time 4 (So 0 ms (following demand of the safety function) lectrical properties Maximum power dissipation for nominal condition 16.6 W (U _S = 26.4 V, I _L * = 72 A*, P _{Total max} = 2.2 W + 14.4 W) Nominal operating mode 100% operating factor Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation Rated control circuit supply voltage U _S 4 V DC -15 % / +10 % Rated control supply current I _S 4 Vp. 70 mA (at U _S) 4 power consumption at U _S 4 Vp. 1.68 W	Product type	Safety relays				
Safety door Light grid Set comprises 1301404 PSR-ME20-3NO-1NC-24DC-SC-SET35 Control 1 and 2 channel Mechanical service life approx. 107 cycles Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3 Times Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) 200 ms (manual, monitored start) 7 yp. starting time with U _a 200 ms (when controlled via A1) Typical release time 25 ms (on demand via the sensor circuit) 60 ms (on demand via A1) Restart time 8 < 1 s (Boot time) Recovery time < 500 ms (following demand of the safety function) Rectrical properties Maximum power dissipation for nominal condition Nominal operating mode 100% operating factor Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Comply Designation A1/A2 Rated control circuit supply voltage U _S A2 V DC -15 % / +10 % Rated control supply current I _S Vpp. 70 mA (at U _S) Power consumption at U _S	Product family	PSRclassic				
Light grid	Application	Emergency stop				
Set comprises Control 1 and 2 channel Approx. 10 ⁷ cycles Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3 Times Typical response time Typical release time 200 ms (automatic start) 200 ms (manual, monitored start) 7 ypical release time 200 ms (when controlled via A1) Typical release time 25 ms (on demand via the sensor circuit) 8 executery time 4 s (Boot time) Recovery time 4 s (Soot ms) Aiximum power dissipation for nominal condition 16.6 W (U _S = 26.4 V, I _s * 72 A*, P _{Total max} = 2.2 W + 14.4 W) Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation Rated control circuit supply voltage U _S Rated control circuit supply voltage U _S Rated control supply current I _S Power consumption at U _S typ. 1.68 W		Safety door				
Control Mechanical service life Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3 Times Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) 200 ms (manual, monitored start) 200 ms (manual monitored start) 200 ms (on demand via A1) Typical release time 25 ms (on demand via A1) Restart time Recovery time 25 ms (following demand of the safety function) Electrical properties Maximum power dissipation for nominal condition Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Each Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation Air A2 Rated control circuit supply voltage U _S Power consumption at U _S typ. 70 mA (at U _S) typ. 70 mA (at U _S) typ. 1.68 W		Light grid				
Mechanical service life Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3 Times Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) Typical release time 25 ms (on demand via A1) Restart time Recovery time 41 s (Boot time) Recovery time Electrical properties Maximum power dissipation for nominal condition Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Easi insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S Rated control circuit supply voltage U _S Rated control circuit supply current I _S Power consumption at U _S typ. 70 mA (at U _S) typ. 1.68 W	Set comprises	1301404 PSR-ME20-3NO-1NC-24DC-SC-SET35				
Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3	Control	1 and 2 channel				
Times Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) Typ. starting time with U _s 200 ms (when controlled via A1) Typical release time 25 ms (on demand via the sensor circuit) 60 ms (on demand via A1) Restart time Recovery time 25 ms (following demand of the safety function) Recovery time 2500 ms (following demand of the safety function) Recovery time 2500 ms (following demand of the safety function) Recovery time 16.6 W (U _S = 26.4 V, I _L ² = 72 A ² , P _{Total max} = 2.2 W + 14.4 W) Nominal operating mode 100% operating factor Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S A2 V DC -15 % / +10 % Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 1.68 W	Mechanical service life	approx. 10 ⁷ cycles				
Typical response time 200 ms (automatic start) 200 ms (manual, monitored start) Typ. starting time with U _s 200 ms (when controlled via A1) Typical release time 25 ms (on demand via the sensor circuit) 60 ms (on demand via A1) Restart time Recovery time 250 ms (following demand of the safety function) Rectrical properties Maximum power dissipation for nominal condition Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S Rated control supply current I _S Power consumption at U _S typ. 70 mA (at U _S) Typ. 168 W	Relay type					
200 ms (manual, monitored start) Typ. starting time with U _s 200 ms (when controlled via A1) Typical release time 25 ms (on demand via the sensor circuit) 60 ms (on demand via A1) Restart time Recovery time 4 1 s (Boot time) Recovery time 500 ms (following demand of the safety function) Rectrical properties Maximum power dissipation for nominal condition Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 168 W	Times					
Typ. starting time with U _s Typical release time 25 ms (on demand via the sensor circuit) 60 ms (on demand via A1) Restart time Recovery time < 1 s (Boot time) Recovery time < 500 ms (following demand of the safety function) Rectrical properties Maximum power dissipation for nominal condition Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation Rated control circuit supply voltage U _S Rated control supply current I _S Power consumption at U _S typ. 70 mA (at U _S) typ. 1.68 W	Typical response time	200 ms (automatic start)				
Typical release time 25 ms (on demand via the sensor circuit) 60 ms (on demand via A1) Restart time Recovery time		200 ms (manual, monitored start)				
Restart time	Typ. starting time with U_s	200 ms (when controlled via A1)				
Restart time Recovery time 1 s (Boot time) 2 500 ms (following demand of the safety function) Rectrical properties Maximum power dissipation for nominal condition Nominal operating mode 100% operating factor Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S 41/A2 Rated control supply current I _S typ. 70 mA (at U _S) typ. 1.68 W	Typical release time	25 ms (on demand via the sensor circuit)				
Recovery time < 500 ms (following demand of the safety function) lectrical properties Maximum power dissipation for nominal condition Nominal operating mode 100% operating factor Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S A24 V DC -15 % / +10 % Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 1.68 W		60 ms (on demand via A1)				
Properties	Restart time	< 1 s (Boot time)				
Maximum power dissipation for nominal condition 16.6 W (U _S = 26.4 V, I _L ² = 72 A ² , P _{Total max} = 2.2 W + 14.4 W) Nominal operating mode 100% operating factor Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S 24 V DC -15 % / +10 % Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S	Recovery time	< 500 ms (following demand of the safety function)				
Nominal operating mode Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 1.68 W	lectrical properties					
Air clearances and creepage distances between the power circuits Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S A1/A2 Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 1.68 W	Maximum power dissipation for nominal condition	16.6 W (U_S = 26.4 V, I_L^2 = 72 A ² , $P_{Total max}$ = 2.2 W + 14.4 W)				
Rated insulation voltage Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 1.68 W	Nominal operating mode	100% operating factor				
Rated surge voltage/insulation Basic insulation 4 kV between all output current paths Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S A24 V DC -15 % / +10 % Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 1.68 W	Air clearances and creepage distances between the power circ	cuits				
Basic insulation 4 kV between all output current paths/logic path and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S A24 V DC -15 % / +10 % Rated control supply current I _S typ. 70 mA (at U _S) Power consumption at U _S typ. 1.68 W	Rated insulation voltage	250 V				
and housing Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U _S Rated control supply current I _S Power consumption at U _S typ. 1.68 W	Rated surge voltage/insulation	Basic insulation 4 kV between all output current paths				
Current paths and 24 V logic paths Supply Designation A1/A2 Rated control circuit supply voltage U_S Rated control supply current I_S Power consumption at U_S current paths and 24 V logic paths A1/A2 24 V DC -15 % / +10 % typ. 70 mA (at U_S)		Basic insulation 4 kV between all output current paths/logic path and housing				
$\begin{tabular}{lll} Designation & A1/A2 \\ Rated control circuit supply voltage U_S & 24 V DC -15 \% / +10 \% \\ Rated control supply current I_S & typ. 70 mA (at U_S) \\ Power consumption at U_S & typ. 1.68 W \\ \end{tabular}$						
$\begin{tabular}{lll} Designation & A1/A2 \\ Rated control circuit supply voltage U_S & 24 V DC -15 % / +10 % \\ Rated control supply current I_S & typ. 70 mA (at U_S) Power consumption at U_S & typ. 1.68 W \\ \end{tabular}$	Supply					
Rated control supply current I_S typ. 70 mA (at U_S) Power consumption at U_S typ. 1.68 W		A1/A2				
Power consumption at U _S typ. 1.68 W	Rated control circuit supply voltage U _S	24 V DC -15 % / +10 %				
	Rated control supply current I _S	typ. 70 mA (at U _S)				
Inrush current $< 5.2 \text{ A (typ. with U}_S, \Delta t = 2 \text{ ms})$	Power consumption at U _S	typ. 1.68 W				
	Inrush current	< 5.2 A (typ. with U_S , $\Delta t = 2 \text{ ms}$)				



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Filter time	5 ms (in the event of voltage dips at U _s)
Protective circuit	Serial protection against polarity reversal; Suppressor diode
t data	
eneral	
Rated control supply current I _S	typ. 70 mA (at U _S)
gital: Sensor circuit (S10, S12, S22)	
Description of the input	safety-related sensor inputs
Number of inputs	3
Input voltage range "0" signal	0 V DC 5 V DC (S10, S12)
Input voltage range "1" signal	20.4 V 26.4 V
Input current range "0" signal	0 mA 2 mA
Inrush current	< 100 mA (typ. with U _S at S10/S12)
	> -100 mA (typ. with U _S at S22)
Filter time	1 ms (Test pulse width of low test pulses)
	1 s (Test pulse rate for low test pulse)
	No brightness test pulses / high test pulses permitted.
Concurrence	∞
Max. permissible overall conductor resistance	50 Ω
Protective circuit	Suppressor diode
Current consumption	38 mA (typ. with U _S at S10/S12)
	-38 mA (typ. with U _S at S22)
gital: Start circuit (S34, S35)	
Description of the input	non-safety-related
Number of inputs	2
Input voltage range "1" signal	20.4 V 26.4 V
Inrush current	< 7 mA (typ. with U _S at S34)
	< 8 mA (typ. with U _S at S35)
Filter time	No test pulses permitted
Max. permissible overall conductor resistance	50 Ω
Protective circuit	Suppressor diode
Current consumption	2 mA (typ. with U _S at S34)
	3 mA (typ. with U _S at S35)

Output data

Relay: Enabling current paths (13/14, 23/24, 33/34)

Output description	2 N/O contacts each in series, safety-related, floating	
Number of outputs	3	
Contact switching type	3 enabling current paths	
Contact material	$AgSnO_2$	
Switching voltage	min. 10 V AC/DC	
	max. 250 V AC/DC	



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Switching capacity	min. 100 mW			
nrush current	min. 10 mA			
	max. 6 A			
Switching capacity in accordance with IEC 60947-5-1	5 A (AC15)			
	6 A (DC13)			
Limiting continuous current	6 A (Observe derating and load limit curve)			
Sq. Total current	72 A ² (observe derating)			
Switching frequency	max. 0.5 Hz			
Mechanical service life	10x 10 ⁶ cycles			
Output fuse	10 A gL/gG			
	4 A gL/gG (for low-demand applications)			
ay: Signaling current path (41/42)				
Output description	2 N/C contacts parallel, non-safety-related, floating			
Number of outputs	1			
·	2 NC parallel			
Contact switching type Contact material				
	AgSnO ₂ min. 10 V AC/DC			
Switching voltage	max. 250 V AC/DC			
Puitabing agastity				
Switching capacity nrush current	min. 100 mW			
mush current				
Duitabing agreeits in accordance with IEO 00047.5.4	max. 6 A			
Switching capacity in accordance with IEC 60947-5-1	3 A (AC15)			
::4:	2 A (DC13)			
Limiting continuous current	6 A 36 A ²			
Sq. Total current				
Switching frequency	max. 0.5 Hz 10x 10 ⁶ cycles 6 A gL/gG			
Mechanical service life				
Output fuse				

Connection data

Connection technology

pluggable	yes			
Conductor connection				
Connection method	Screw connection			
Conductor cross section rigid	0.2 mm² 2.5 mm²			
Conductor cross section flexible	0.2 mm² 2.5 mm²			
Conductor cross-section AWG	24 12			
Stripping length	7 mm			
Screw thread	M3			
Tightening torque	0.5 Nm 0.6 Nm			

Signaling

Status display	2 x LED (green)



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Operating voltage display	1 x LED (green)
Dimensions	
Width	22.5 mm
Height	112.2 mm
Depth	114.5 mm
Material specifications	
Color (Housing)	traffic grey B (RAL 7043)
Housing material	PA
Characteristics Safety data	
Stop category	0
Safety data: EN ISO 13849	
Category	3
Performance level (PL)	d
` '	u
Safety data: IEC 61508 - High demand	u u
	2
Safety data: IEC 61508 - High demand	
Safety data: IEC 61508 - High demand Safety Integrity Level (SIL)	
Safety data: IEC 61508 - High demand Safety Integrity Level (SIL) Safety data: IEC 61508 - Low demand	2

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Min. degree of protection of inst. location	IP54
Ambient temperature (operation)	-20 °C 55 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C 70 °C
Maximum altitude	≤ 2000 m (Above sea level)
Max. permissible humidity (storage/transport)	75 % (on average, 85% infrequently, non-condensing)
Max. permissible relative humidity (operation)	75 % (on average, 85% infrequently, non-condensing)
Shock	15g
Vibration (operation)	10 Hz 150 Hz, 2g

Approvals

CE

Identification	CE-compliant CE-compliant

Standards and regulations



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Air clearances and			

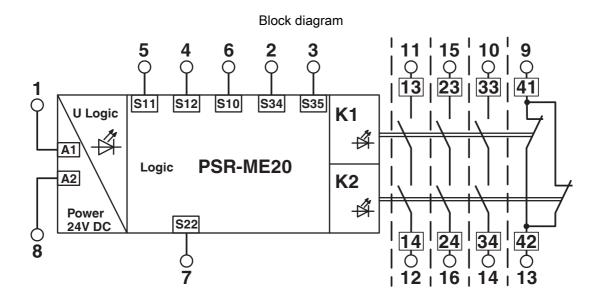
Standards/regulations	DIN EN 60947-1		
Mounting			
Mounting type	DIN rail mounting		
Assembly note	See derating curve		
Mounting position	vertical or horizontal		



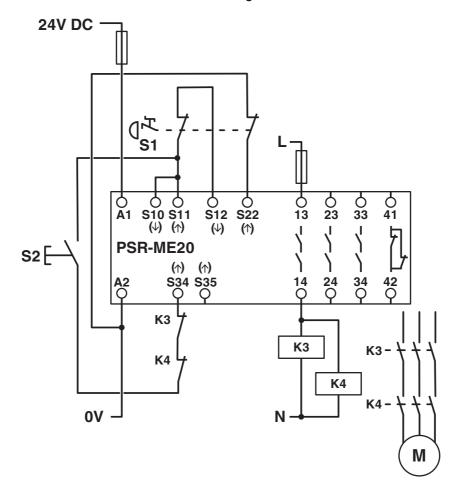
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Drawings



Circuit diagram



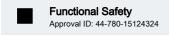


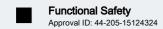
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Approvals

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Classifications

ECLASS

	ECLASS-11.0	27371819	
	ECLASS-13.0	27371819	
	ECLASS-12.0	27371819	
ETIM			
	ETIM 9.0	EC001449	
UNSPSC			
	UNSPSC 21.0	39122200	



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-l
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ed7cf660-2f07-41f2-8289-b4b32d3a7e05



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Accessories

CP-MSTB - Coding profile

1734634

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Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



CR-MSTB - Coding section

1734401

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Coding section, inserted into the recess in the header or the inverted plug, red insulating material $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right$





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PSR-ESS-M0-H110 - Actuator

1221757

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Actuator with anti-lock collar for modular emergency stop switches, for combination with module holder and contact module as a functional unit, panel installation, bayonet lock

PSR-ESS-ACC-CB1-C3 - Module holder

1221747

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Module holder for modular emergency stop switches, connects the contact block and actuator with bayonet lock, suitable for 3 elements



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PSR-ESS-ACC-CB1-NC-SC - Contact module

1221752

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Contact module for modular emergency stop switches with force-guided N/C contact for safety-related shutdown, in conjunction with appropriate evaluation unit suitable for use up to PL e (EN ISO 13849-1), SIL 3 (EN IEC 62061)

CRIMPFOX 6 - Crimping pliers

1212034

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Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

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