## SIEMENS

## Data sheet

## 3RP2540-1AB30



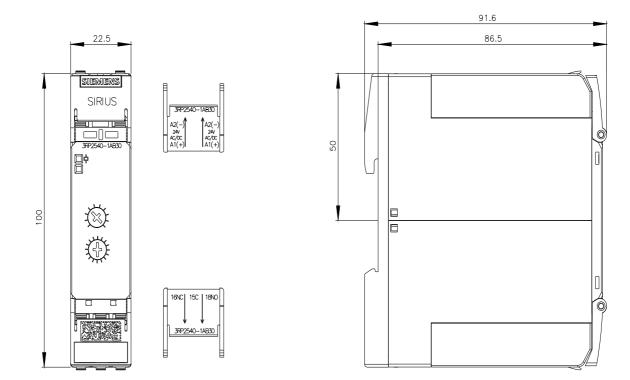
Timing relay, electronic OFF delay without control signal or smooth passing make contact non-volatile 24 V AC/DC, 1 change-over contact 7 time ranges, 0.05...600 s with LED, Screw terminal

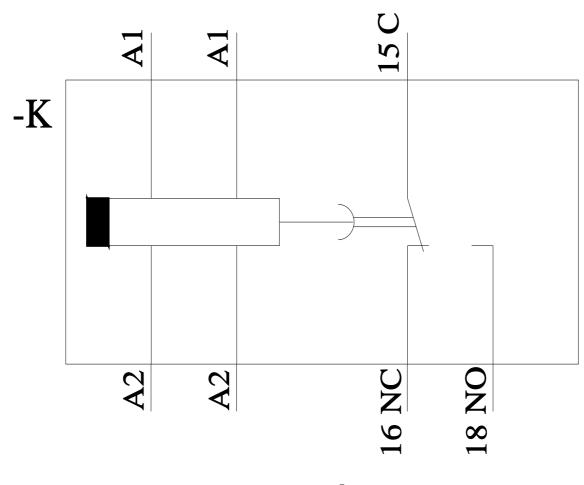
product brand name         SIRIUS           product designation         timing relay           design of the product         relay callshives/performed steuersignal, nullspannungssicher, einschaltwischend           product type designation         3RP25           General technical data         ************************************	BETHER .			
design of the product       rock/allverzoger obne Steuersignal, nullspannungssicher, einschaltwischend         product type designation       3RP25         Central technical data	product brand name	SIRIUS		
product type designation     3RP25       Concrait tochnical data     product component       • relay output     Yes       • semi-conductor output     No       product extension required remote control     No       product extension optional remote control     No       product extension aptional remote control     No       insulation voltage for rovervoltage category III according to IEC 60068-2-27     11/// 15 ms       vibration resistance according to IEC 60068-2-27     11/// 15 ms       vibration resistance according to IEC 60068-2-27     10 0.00 0.00       electrical endurance (operating cycles) typical     10 0.00 0.00       electrical endurance (operating cycles) typical     10 0.00 0.00       adjustable time note     minimum value at function N = 0.5 s       relative setting accuracy relating to full-scale value     5 %, +/-       infininum ON period     250 ms <tr< th=""><th>product designation</th><th>timing relay</th></tr<>	product designation	timing relay		
product type designation         3RP25           Concret tochnical data <ul> <li>product component</li> <li>erelay output</li> <li>semi-conductor output</li> <li>No</li> <li>product extension required remote control</li> <li>No</li> <li>power loss [W] maximum</li> <li>2W</li> <li>insulation voltage for overvoltage category III according to IEC 60064 with degree of pollution 3 tated value</li> <li>test voltage for isolation test</li> <li>2.5 kV</li> <li>degree of pollution</li> <li>3 surge voltage resistance rated value</li> <li>protection class IP</li> <li>protectim class</li></ul>	design of the product			
Control Ucchinical data         product component         • relay output         • semi-conductor output         product extension required remote control         No         product extension optional remote control         power loss [M] maximum         1EC 80664 with degree of pollution 3 rated value         test voltage for isolation test       2.5 kV         degree of pollution       3         surge voltage resistance rated value       4 000 V         protection class IP       IP20         shock resistance according to IEC 60068-2-27       11g /15 ms         vibration resistance according to IEC 60068-2-27       1055 Hz / 0.35 mm         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at       200 V         230 V Vjical       00 000         adjustable time note       minimum value at function N = 0.5 s         relative setting accuracy relating to full-scale value       5 %; +/-         thread accuracy       1 %; in the whole temperature range to the set runtime         relative repeat accuracy       1 %; in the whole voltage range to the set runtime         power loss power supply influence       19/12/2014         Control directif control supply voltage       AC/DC </th <th></th> <th colspan="3"></th>				
product component     • relay output     Yes       • semi-conductor output     No       product extension optional remote control     No       power loss [W] maximum     2W       insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value     300 V       test voltage for isolation test     2.5 kV       degree of pollution     3       surge voltage resistance rated value     4 000 V       protect exersion eacording to IEC 60068-2-27     11g / 15 ms       vibration resistance according to IEC 60068-2-6     1055 Hz / 0.35 mm       mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time note relative setting accuracy relating to full-scale value     5 %; +/-       freerence code according to IEC 81346-2 reference code a		JRP20		
relay output     esemi-conductor output     No     No     No     product extension required remote control     No     power loss [W] maximum     2 W     advected stension required remote control     No     power loss [W] maximum     2 W     2     2     2     2     2     2     3     3     2     300 V     IEC 60064 with degree of pollution 3 rated value     test voltage for overvoltage category III according to     IEC 60064 with degree of pollution 3 rated value     test voltage for isolation test         2.5 kV     4     degree of pollution     3     surge voltage resistance rated value     4     200 V     protection class IP     isolation veloce     stance according to IEC 60068-2-27     ilg/ 15 ms     vibration resistance according to IEC 60068-2-6     10 55 Hz / 0.35 mm     mechanical service life (operating cycles) typical     alcotrical endurance (operating cycles) at AC-15 at     230 V typical     adjustable time     discussed to use to us				
<ul> <li>semi-conductor output</li> <li>No</li> <li>product extension required remote control</li> <li>No</li> <li>product extension optional remote control</li> <li>No</li> <li>power loss [W] maximum</li> <li>2 W</li> <li>insulation voltage for overvoltage category III according to</li> <li>IEC 60664 with degree of pollution 3 rated value</li> <li>test voltage for isolation test</li> <li>2.5 kV</li> <li>degree of pollution</li> <li>3</li> <li>surge voltage resistance rated value</li> <li>4 000 V</li> <li>protection class IP</li> <li>IP20</li> <li>shock resistance according to IEC 60068-2-27</li> <li>tig /15 ms</li> <li>vibration reguine (perating cycles) typical</li> <li>10 000 000</li> <li>electrical endurance (operating cycles) typical</li> <li>10 000 000</li> <li>electrical endurance (operating cycles) typical</li> <li>digustable time</li> <li>0.5 600 s</li> <li>minimum value at function N = 0.5 s</li> <li>relative setting accuracy relating to full-scale value</li> <li>5%; +/-</li> <li>relative setting accuracy relating to full-scale value</li> <li>5%; +/-</li> <li>relative repeat accuracy</li> <li>timimum value at function N = 0.5 s</li> <li>relative repeat accuracy</li> <li>timimum ON period</li> <li>recovery time</li> <li>250 ms</li> <li>reference code according to IEC 81346-2</li> <li>relative repeat accuracy</li> <li>timite whole temperature range to the set runtime</li> <li>time houle volue outage range to the set runtime</li> <li>time they to evalue are to the set runtime</li> <li>time they to evalue are to the set runtime</li> <li>time they to evalue are to the set runtime</li> <li>time to the control supply voltage</li> <li>ontrol supply voltage of the control supply voltage</li> <li>time to the action are to the set runtime</li> <li>time to the action are to the set runtime</li> <li>tif O Hz rated</li></ul>		Vec		
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product extension optional remote control         No           power loss [W] maximum         2 W           insulation voltage for isolation test         300 V           text voltage for isolation test         2.5 kV           degree of pollution 3 rated value         4 000 V           protection class IP         IP20           shock resistance according to IEC 60068-2-7         11g / 15 ms           vibration resistance according to IEC 60068-2-6         10 55 Hz / 0.35 mm           mechanical service life (operating cycles) typical         10 000 000           electrical endurance (operating cycles) typical         100 000           adjustable time note         65 Hz / 0.35 mm           relative setting accuracy relating to full-scale value         5 %; +/-           thermal current         5 A           relative setting accuracy relating to full-scale value         5 %; +/-           thermal current         5 A           relative repeat accuracy         1 %; +/-           influence of the surrounding temperature         1%; in the whole temperature range to the set runtime           power supply influence         1%; in the whole voltage range to the set runtime           substance Prohibitance (Date)         09/12/2014           Control supply voltage 1 at AC         24 V           e at 50				
power loss [W] maximum2 Winsulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value300 Vtest voltage for isolation test2.5 kVdegree of pollution3surge voltage resistance rated value4 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-610 55 Hz / 0.35 mmmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) typical10 000 000electrical endurance (operating cycles) at AC-15 at 230 V typical0.05 600 sadjustable time noteminimum value at function N = 0.5 srelative setting accuracy relating to full-scale value5 %; +/-thermal current5 Arelative repeat accurding to IEC 81346-2Krelative repeat accuracy1 %; in the whole temperature range to the set runtimepower supply influence1% in the whole temperature range to the set runtimepower supply influence99/12/2014Control supply voltage 1 at AC24 V• at 50 Hz rated value24 V• at 60 Hz rated value24 V<				
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IEC 60664 with degree of pollution 3 rated value       2.5 kV         test voltage for isolation test       2.5 kV         degree of pollution       3         surge voltage resistance rated value       4 000 V         protection class IP       IP20         shock resistance according to IEC 60068-2-6       10 55 Hz / 0.35 mm         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) typical       100 000         adjustable time       0.05 600 s         adjustable time note       minimum value at function N = 0.5 s         relative setting accuracy relating to full-scale value       5 %; +/-         thermal current       5 A         minimum ON period       250 ms         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %; +/-         influence of the surrounding temperature       1% in the whole temperature range to the set runtime         power supply influence       0/U2/U14         Control supply voltage 1 at AC       24 V         • at 50 Hz rated value       24 V         • at 60 Hz rated v				
degree of pollution3surge voltage resistance rated value4 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-711g / 15 msvibration resistance according to IEC 60068-2-61055 Hz / 0.35 mmmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) at AC-15 at 230 V typical100 000adjustable time0.05 600 sadjustable time noteminimum value at function N = 0.5 srelative setting accuracy relating to full-scale value5 %; +/-thermal current5 Aminimum ON period250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence09/12/2014Control circuit/ Control24 V• at 50 Hz rated value24 V• at 50 Hz rated value24 V• at 60 Hz rated value24 V• control supply voltage frequency 160 Hz• control supply voltage 160 Hz <th></th> <th>500 V</th>		500 V		
surge voltage resistance rated value 4 000 V protection class IP IP20 shock resistance according to IEC 60068-2-7 11g / 15 ms vibration resistance according to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 0.05 600 s minimum value at function N = 0.5 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5A minimum ON period 250 ms recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Date Substance Prohibitance (Date) 09/12/2014 <b>Control circuit/ Control</b> type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value 24 V control supply voltage frequency 1 50 60 Hz control supply voltage 1	test voltage for isolation test	2.5 kV		
protection class IPIP20shock resistance according to IEC 60068-2-610 55 Hz / 0.35 mmwibration resistance according to IEC 60068-2-610 55 Hz / 0.35 mmmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) at AC-15 at20 0 000230 V typical0.05 600 sadjustable time0.05 600 sadjustable time noteminimum value at function N = 0.5 srelative setting accuracy relating to full-scale value5 %; +/-thermal current5 Aminimum ON period250 msrecovery time250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimeSubstance Prohibitance (Date)09/12/2014Control circuit/ Controltype of voltage of the control supply voltagee at 50 Hz rated value24 Ve at 60 Hz rated value24 Vcontrol supply voltage frequency 120 60 Hzcontrol supply voltage frequency 150 60 Hz	degree of pollution	3		
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mechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time100 000adjustable time note0.05 600 sadjustable time noteminimum value at function N = 0.5 srelative setting accuracy relating to full-scale value5 %; +/-thermal current5 Aminimum ON period250 msrecovery time250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence0y/12/2014Control circuit/ ControlVtype of voltage of the control supply voltage control supply voltage 1 at ACAC/DC• at 50 Hz rated value24 V• at 60 Hz rated value24 V• at 60 Hz rated value24 V• at 60 Hz rated value24 Vcontrol supply voltage frequency 1 control supply voltage 150 60 Hz	shock resistance according to IEC 60068-2-27	11g / 15 ms		
electrical endurance (operating cycles) at AC-15 at 230 V typical       100 000         adjustable time adjustable time note       0.05 600 s         adjustable time note       minimum value at function N = 0.5 s         relative setting accuracy relating to full-scale value       5 %; +/-         thermal current       5 A         minimum ON period       250 ms         recovery time       250 ms         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %; +/-         influence of the surrounding temperature       1% in the whole temperature range to the set runtime         power supply influence       09/12/2014         Control circuit/ Control       V         type of voltage of the control supply voltage       AC/DC         e at 50 Hz rated value       24 V         e at 60 Hz rated value       24 V         control supply voltage frequency 1       50 60 Hz         control supply voltage frequency 1       50 60 Hz	vibration resistance according to IEC 60068-2-6	10 55 Hz / 0.35 mm		
230 V typical       0.05 600 s         adjustable time note       minimum value at function N = 0.5 s         relative setting accuracy relating to full-scale value       5 %; +/-         thermal current       5 A         minimum ON period       250 ms         recovery time       250 ms         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %; +/-         influence of the surrounding temperature       1% in the whole temperature range to the set runtime         power supply influence       09/12/2014         Control circuit/ Control       U         type of voltage of the control supply voltage       AC/DC         e at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V	mechanical service life (operating cycles) typical	10 000 000		
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minimum ON period250 msrecovery time250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimegower supply influence (Date)09/12/2014Control circuit/ Controltype of voltage of the control supply voltage control supply voltage 1 at AC• at 50 Hz rated value24 V• at 60 Hz rated value24 Vcontrol supply voltage frequency 1 control supply voltage 150 60 Hz		5 %; +/-		
recovery time250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimeSubstance Prohibitance (Date)09/12/2014Control circuit/ Control09/12/2014type of voltage of the control supply voltageAC/DCe at 50 Hz rated value24 Ve at 60 Hz rated value24 Vcontrol supply voltage frequency 150 60 Hzcontrol supply voltage 150 60 Hz	thermal current	5 A		
reference code according to IEC 81346-2       K         relative repeat accuracy       1 %; +/-         influence of the surrounding temperature       1% in the whole temperature range to the set runtime         power supply influence       1% in the whole voltage range to the set runtime         Substance Prohibitance (Date)       09/12/2014         Control circuit/ Control       type of voltage of the control supply voltage         type of voltage of the control supply voltage       AC/DC         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         control supply voltage frequency 1       50 60 Hz         control supply voltage 1       50 60 Hz	minimum ON period	250 ms		
relative repeat accuracy       1 %; +/-         influence of the surrounding temperature       1% in the whole temperature range to the set runtime         power supply influence       1% in the whole voltage range to the set runtime         Substance Prohibitance (Date)       09/12/2014         Control circuit/ Control       4C/DC         type of voltage of the control supply voltage       AC/DC         e at 50 Hz rated value       24 V         e at 60 Hz rated value       24 V         control supply voltage frequency 1       50 60 Hz         control supply voltage 1       50 60 Hz	recovery time	250 ms		
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Substance Prohibitance (Date)       09/12/2014         Control circuit/ Control       AC/DC         type of voltage of the control supply voltage       AC/DC         control supply voltage 1 at AC       -         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         control supply voltage frequency 1       50 60 Hz         control supply voltage 1       50 60 Hz		1% in the whole voltage range to the set runtime		
type of voltage of the control supply voltage       AC/DC         control supply voltage 1 at AC       -         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         control supply voltage frequency 1       50 60 Hz         control supply voltage 1       -				
control supply voltage 1 at AC       24 V         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         control supply voltage frequency 1       50 60 Hz         control supply voltage 1       50 60 Hz	Control circuit/ Control			
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>24 V</li> <li>control supply voltage frequency 1</li> <li>control supply voltage 1</li> </ul>	type of voltage of the control supply voltage	AC/DC		
• at 60 Hz rated value 24 V control supply voltage frequency 1 50 60 Hz control supply voltage 1	control supply voltage 1 at AC			
control supply voltage frequency 150 60 Hzcontrol supply voltage 150 60 Hz	• at 50 Hz rated value	24 V		
control supply voltage 1	• at 60 Hz rated value	24 V		
	control supply voltage frequency 1	50 60 Hz		
• at DC rated value 24 V	control supply voltage 1			
	<ul> <li>at DC rated value</li> </ul>	24 V		

operating range factor control supply voltage rated value at DC	
initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated	1.1
value at AC at 50 Hz	
<ul> <li>initial value</li> </ul>	0.85
<ul> <li>full-scale value</li> </ul>	1.1
operating range factor control supply voltage rated	
value at AC at 60 Hz	
<ul> <li>initial value</li> </ul>	0.85
• full-scale value	1.1
inrush current peak	
• at 24 V	2 A
duration of inrush current peak • at 24 V	1 ma
	1 ms
Switching Function	
switching function	
ON-delay	No
ON-delay/instantaneous contact	No
<ul> <li>passing make contact</li> <li>passing make contact/instantaneous contact</li> </ul>	Yes No
<ul> <li>passing make contact/instantaneous contact</li> <li>OFF delay</li> </ul>	Yes
switching function	
flashing symmetrically with interval	No
start/instantaneous	
<ul> <li>flashing symmetrically with interval start</li> </ul>	No
<ul> <li>flashing symmetrically with pulse</li> </ul>	No
start/instantaneous	
flashing symmetrically with pulse start	No
<ul> <li>flashing asymmetrically with interval start</li> </ul>	No
<ul> <li>flashing asymmetrically with pulse start</li> </ul>	No
<ul> <li>switching function</li> <li>star-delta circuit with delay time</li> </ul>	No
star-delta circuit	No
switching function with control signal	
additive ON-delay	No
<ul> <li>passing break contact</li> </ul>	No
<ul> <li>passing break contact/instantaneous</li> </ul>	No
OFF delay	No
OFF delay/instantaneous	No
<ul> <li>pulse delayed</li> </ul>	No
<ul> <li>pulse delayed/instantaneous</li> </ul>	No
<ul> <li>pulse-shaping</li> </ul>	No
<ul> <li>pulse-shaping/instantaneous</li> </ul>	No
additive ON-delay/instantaneous	No
ON-delay/OFF-delay/instantaneous	No
passing make contact	No
passing make contact/instantaneous contact	No
switching function of interval relay with control signal	
<ul> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> </ul>	No
<ul> <li>retrotriggerable with switched-on control signal</li> </ul>	No
<ul> <li>retrotriggerable with switched-on control</li> </ul>	No
signal/instantaneous contact	
<ul> <li>retriggerable with deactivated control signal</li> </ul>	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the	fuse gL/gG: 4 A
auxiliary switch required	
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts	
delayed switching	0
instantaneous contact	0
number of NO contacts	

<ul> <li>delayed switching</li> </ul>	0
<ul> <li>instantaneous contact</li> </ul>	0
number of CO contacts	
<ul> <li>delayed switching</li> </ul>	1
instantaneous contact	0
operational current of auxiliary contacts at AC-15	
• at 24 V	3 A
• at 250 V	3 A
operational current of auxiliary contacts at DC-13 • at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A
operating frequency with 3RT2 contactor maximum	5 000 1/h
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (17
	V, 5 mA)
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	
<ul> <li>at the relay outputs switchover delayed/without</li> </ul>	No
delay	
non-volatile	Yes
Electromagnetic compatibility	
	ambiance A (industrial coster)
EMC emitted interference according to IEC 61812-1	ambience A (industrial sector)
EMC immunity according to IEC 61812-1	corresponds to degree of severity 3
conducted interference	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV network connection / 1 kV control connection
• due to conductor-earth surge according to IEC	2 kV
61000-4-5	
due to conductor-conductor surge according to IEC	1 kV
61000-4-5	40.1//
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Safety related data	
protection class IP on the front according to IEC	IP20
protection class IP on the front according to IEC 60529	
protection class IP on the front according to IEC 60529 type of insulation	Basic insulation
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1	
protection class IP on the front according to IEC 60529 type of insulation	Basic insulation
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary	Basic insulation
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	Basic insulation none
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	Basic insulation none
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	Basic insulation none Yes
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> )
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Basic insulation none Yes screw-type terminals
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> )
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )
protection class IP on the front according to IEC         60529         type of insulation         category according to EN 954-1         Connections/ Terminals         product component removable terminal for auxiliary and control circuit         type of electrical connection for auxiliary and control circuit         type of connectable conductor cross-sections <ul> <li>solid</li> <li>finely stranded with core end processing</li> <li>at AWG cables solid</li> </ul>	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14)
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14)
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14)
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm <sup>2</sup>
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm <sup>2</sup>
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm <sup>2</sup>
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup>
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> ) 1x (0.5 4 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup>
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 12         20 12
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw	Basic insulation none Yes screw-type terminals $1x (0.5 4.0 \text{ mm}^2), 2x (0.5 2.5 \text{ mm}^2)$ $1x (0.5 4 \text{ mm}^2), 2x (0.5 1.5 \text{ mm}^2)$ 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) $0.5 4 \text{ mm}^2$ $0.5 4 \text{ mm}^2$ 20 12 20 14 0.6 0.8  N·m
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 12         20 14         0.6 0.8 N·m         M3
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 <u>Connections/ Terminals</u> product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 12         20 12         any
protection class IP on the front according to IEC         60529         type of insulation         category according to EN 954-1         Connections/ Terminals         product component removable terminal for auxiliary and control circuit         type of electrical connection for auxiliary and control circuit         type of connectable conductor cross-sections         • solid         • finely stranded with core end processing         • at AWG cables solid         • at AWG cables stranded         connectable conductor cross-section         • solid         • finely stranded with core end processing         AWG number as coded connectable conductor cross section         • solid         • stranded         tightening torque         design of the thread of the connection screw         Installation/ mounting/ dimensions         mounting position         fastening method	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 12         20 14         0.6 0.8 N·m         M3
protection class IP on the front according to IEC         60529         type of insulation         category according to EN 954-1         Connections/ Terminals         product component removable terminal for auxiliary and control circuit         type of electrical connection for auxiliary and control circuit         type of connectable conductor cross-sections         • solid         • finely stranded with core end processing         • at AWG cables solid         • at AWG cables stranded         connectable conductor cross-section         • solid         • finely stranded with core end processing         • at AWG cables stranded         connectable conductor cross-section         • solid         • finely stranded with core end processing         AWG number as coded connectable conductor cross section         • solid         • stranded         tightening torque         design of the thread of the connection screw         Installation/ mounting/ dimensions         mounting position         fastening method         height	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         20 12         20 12         20 12         20 14         0.6 0.8 N·m         M3
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 14         0.6 0.8 N·m         M3
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width depth	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         20 12         20 12         20 12         20 14         0.6 0.8 N·m         M3
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 14         0.6 0.8 N·m         M3
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width depth	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 14         0.6 0.8 N·m         M3
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	Basic insulation none         Yes         screw-type terminals         1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         1x (0.5 4 mm²), 2x (0.5 1.5 mm²)         1x (20 12), 2x (20 14)         1x (20 12), 2x (20 14)         0.5 4 mm²         0.5 4 mm²         20 12         20 14         0.6 0.8 N·m         M3         any         screw and snap-on mounting onto 35 mm DIN rail         100 mm         22.5 mm

<ul> <li>backwards</li> </ul>		0 mm		
— upwards		0 mm		
— downwards		0 mm		
— at the side		0 mm		
<ul> <li>for grounded parts</li> </ul>		0 mm		
— forwards		0 mm		
— backwards		0 mm		
— upwards		0 mm		
— at the side		0 mm		
— downwards		0 mm		
<ul> <li>for live parts</li> </ul>		0 1111		
— forwards		0 mm		
— backwards		0 mm		
— upwards		0 mm		
— downwards		0 mm		
— at the side		0 mm		
		0 11111	_	
Ambient conditions			_	
installation altitude at height above sea lev	el maximum	2 000 m		
ambient temperature				
<ul> <li>during operation</li> </ul>		-25 +60 °C		
<ul> <li>during storage</li> </ul>		-40 +85 °C		
<ul> <li>during transport</li> </ul>		-40 +85 °C		
relative humidity during operation		10 95 %		
Certificates/ approvals				
General Product Approval				EMC
			LHL	
Declaration of Conformity	Test Certificat	tes Marine / Shipping		
Declaration of Conformity	Test Certificat	tific-	Lloyds Register us	PRS
	Type Test Cert	tific- port	Llovd's Register us	PRS
UK CE CA CE EG-Konf.	Type Test Cert	tific- port	Llovds Register uis	PRS
UK       EE         Marine / Shipping         Image: Distance         Image: D	Type Test Cert ates/Test Rep	tific- port	Lloyds Kegster us	PRS
UK       EE         Marine / Shipping         Image: Shipping marked states         Image: Shipping marked states <tr< td=""><td>Type Test Cert ates/Test Rep</td><td>tific- port UREAU VERITAS other Confirmation</td><td>Llovds Register us</td><td>PRS</td></tr<>	Type Test Cert ates/Test Rep	tific- port UREAU VERITAS other Confirmation	Llovds Register us	PRS
UK       EE         Marine / Shipping         Image: S	Type Test Cert ates/Test Rep	tific- port UREAU VERITAS other Confirmation	Llovds Register uts	PRS
UK       EE         Marine / Shipping         Image: S	Type Test Cert ates/Test Rep	tific- port UREAU VERITAS other Confirmation	Llovds Register us	PRS
UKG       EGE         Marine / Shipping         Image:	Type Test Cert ates/Test Rep	tific- port UREAU VERITAS other Confirmation 75 .)	us	PRS
UK       EE         Marine / Shipping         Image: S	Type Test Cert ates/Test Rep	tific- port UREAU VERITAS other Confirmation 75 .)	us	PRS
UKG       EGE         Marine / Shipping         Image:	Type Test Cert ates/Test Rep	tific- port Confirmation 75 .) 2mlfb=3RP2540-1AB30		PRS
UKS       EE         Marine / Shipping         Image:	Type Test Cert ates/Test Rep	tific- port other Confirmation 75 .) ?mlfb=3RP2540-1AB30 t.aspx?lang=en&mlfb=3RP254		PRS
UKG       EGE         Marine / Shipping         Image:	Type Test Cert ates/Test Rep	tific- port other Confirmation 75 .) ?mlfb=3RP2540-1AB30 t.aspx?lang=en&mlfb=3RP254 FAQs,)		PRS
UKG       EGE         Marine / Shipping         Image:	Type Test Cert ates/Test Rep wien/view/10981387 logs, Brochures, en/Catalog/product? N/CAXorder/default , Characteristics, I wien/ps/3RP2540-1 mension drawings	tific- port other Confirmation 75 .) ?mlfb=3RP2540-1AB30 t.aspx?lang=en&mlfb=3RP254 FAQs,) AB30 s, 3D models, device circuit of	<u>+0-1AB30</u>	
UKG       EGE         Marine / Shipping         Image:	Type Test Cert ates/Test Rep wien/view/10981387 logs, Brochures, en/Catalog/product? N/CAXorder/default , Characteristics, I wien/ps/3RP2540-1 mension drawings	tific- port other Confirmation 75 .) ?mlfb=3RP2540-1AB30 t.aspx?lang=en&mlfb=3RP254 FAQs,) AB30 s, 3D models, device circuit of	<u>+0-1AB30</u>	
UKG       EGE         Marine / Shipping         Image:	Type Test Cert ates/Test Rep wien/view/1098138 logs, Brochures, en/Catalog/product? N/CAXorder/default , Characteristics, I wien/ps/3RP2540-1 mension drawings b/cax_de.aspx?mlfb	tific- port other Confirmation 75 .) 2mlfb=3RP2540-1AB30 t.aspx?lang=en&mlfb=3RP254 FAQs,) AB30 s, 3D models, device circuit of p=3RP2540-1AB30⟨=en	<u>+0-1AB30</u>	





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