

Introduction

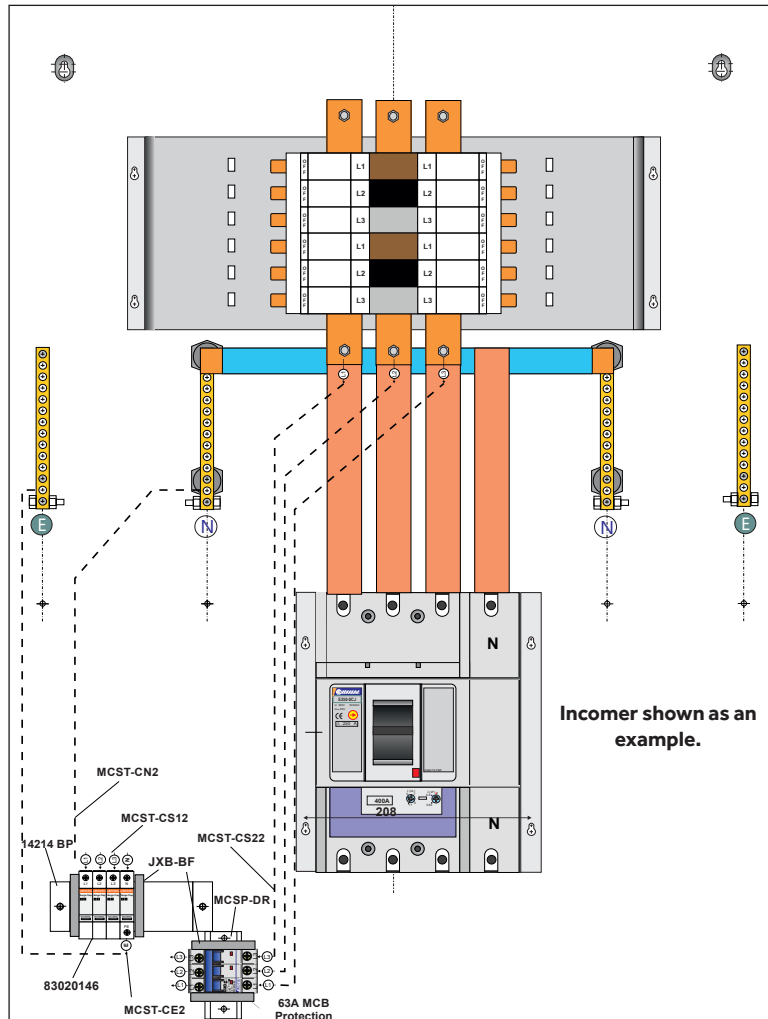
ERIS's ERS3PBK-T2 surge protection kit offers an affordable, easy to install Type 2 / Class II protection solution designed specifically to fit internally into the ERIS range of 400A panel boards. The kit has been designed to eliminate lost out going ways and comes complete with surge protection device (SPD), protection for the SPD in the form of a MCB, face plate and all necessary cabling connections.

Suitable for the second stage of protection in supply distribution panels in which Type 1 protection devices are installed upstream, or for the first stage of protection in commercial or other applications not exposed to direct strikes and with no external lightning protection system.

Kit Specification

Criteria	Type 2 / Class II Surge Protection Kit
Standard	EN/IEC 61643-11 / UL 1449 4th Ed
SPD Short Description	SPD Type 2, 40kA, Uc275V, 3+1 TT, 4 Poles, 4 Modules
MCB Short Description	MCB 63A 3 Pole 10kA 3 Module
IEC SPD Type	Type 2 / Class II
Nominal Voltage	230 / 400 V
AC or DC	AC
Nominal Discharge Current (In) (8/20)	20kA
Max Discharge Current : I _{max} (8/20)	40kA
System Configuration	TT, TNS
Following Current (I _{fi})	0,1 kA
Short Circuit Current Rating (SCCR)	50 ... 100 kA
Short Circuit Withstand (ISCCR)	25 kA
Indication System	Yes
Indication System Type	Visual Indicator
Number of Poles	4 Pole
Torque Rating	4 Nm
Max. Back-Up Fuse	125 A gG

Technical Illustration



Introduction

ERIS's ERS3PBK-T1+2 surge protection kit offers an affordable, easy to install Type 1+2 / Class I + Class II protection solution designed specifically to fit internally into the ERIS range of 400A panel boards. The kit has been designed to eliminate lost out going ways and comes complete with surge protection device (SPD), protection for the SPD in the form of a MCCB, face plate and all necessary cabling connections.

Suitable as the first step of protection in incoming power supply panels and areas with exposure to the atmosphere, where installations are usually provided with an external lightning protection system.

Kit Specification

Criteria	Type 1 + 2 / Class I + II Surge Protection Kit
Standard	EN/IEC 61643-11 / UL 1449 4th Ed
SPD Short Description	SPD Type 1+2, 12.5kA, Uc275V, 3+1 TT, 4 Poles, 4 Modules, Pluggable
MCCB Short Description	MCCB 160A 3 Pole 3 Module E160 Frame
IEC SPD Type	Type 1 + 2 / Class I + II
Nominal Voltage	230 / 400 V
AC or DC	AC
Nominal Discharge Current (In) (8/20)	20kA
Max Discharge Current : I _{max} (8/20)	50kA
System Configuration	TT, TNS
Lightning Impulse Current (10/350) (LIMP)	12,5 kA
Following Current (I _{fi})	0,1 kA
Short Circuit Withstand (ISCCR)	25 kA
Indication System	Yes
Indication System Type	Visual Indicator
Number of Poles	4 Pole
Torque Rating	35.4 lb-in
Max. Back-Up Fuse	200 A gG

Technical Illustration

